State of New Jersey
Department of Environmental Protection
Air Quality, Energy and Sustainability
Division of Air Quality
Bureau of Stationary Sources
401 E. State Street, 2nd Floor, P.O. Box 420, Mail Code 401-02
Trenton, NJ 08625-0420

PHILIP D. MURPHY
Governor

SHEILA Y. OLIVER
Lt. Governor

CATHERINE R. McCABE
Acting Commissioner

Air Pollution Control Operating Permit
Significant Modification

Permit Activity Number: BOP160001 **Program Interest Number: 18054**

Mailing Address	Plant Location
MICHAEL J MATTSSON ASST OPERATIONS MANAGER BUCKEYE TERMINALS LLC 750 CLIFF RD Port Reading, NJ 07064	BUCKEYE RARITAN BAY TERMINAL 577 Smith St Perth Amboy Middlesex County

Initial Operating Permit Approval Date: **July 30, 2001**

Operating Permit Approval Date: **June 13, 2018**

Operating Permit Expiration Date: **July 29, 2021**

AUTHORITY AND APPLICABILITY

The New Jersey Department of Environmental Protection (Department) approves and issues this Air Pollution Control Operating Permit under the authority of Chapter 106, P.L. 1967 (N.J.S.A. 26:2C-9.2). This permit is issued in accordance with the air pollution control permit provisions promulgated at Title V of the Federal Clean Air Act, 40 CFR 70, Air Pollution Control Act codified at N.J.S.A. 26:2C and New Jersey State regulations promulgated at N.J.A.C. 7:27-22.

The Department approves this operating permit based on the evaluation of the certified information provided in the permit application that all equipment and air pollution control devices regulated in this permit comply with all applicable State and Federal regulations. The facility shall be operated in accordance with the conditions of this permit. This operating permit supersedes any previous Air Pollution Control Operating Permits issued to this facility by the Department including any general operating permits, renewals, significant modifications, minor modifications, seven-day notice changes or administrative amendments to the permit.

Changes made through this permit activity are provided in the Reason for Application.

PERMIT SHIELD

This operating permit includes a permit shield, pursuant to the provisions of N.J.A.C. 7:27-22.17.

COMPLIANCE SCHEDULES

This operating permit does not include compliance schedules as part of the approved compliance plan.

COMPLIANCE CERTIFICATIONS AND DEVIATION REPORTS

The permittee shall submit to the Department and to EPA periodic compliance certifications, in accordance with N.J.A.C. 7:27-22.19. **The annual compliance certification** is due to the Department and EPA within 60 days after the end of each calendar year during which this permit was in effect. **Semi-annual deviation reports** relating to compliance testing and monitoring are due to the Department within 30 days after the end of the semi-annual period. The schedule and additional details for these submittals are available in Subject Item - FC, of the Facility Specific Requirements of this permit.

ACCESSING PERMITS

The facility's current approved operating permit and any previously issued permits (e.g. superseded, expired, or terminated) are available for download in PDF format at: http://www.nj.gov/dep/opra/online.html. If needed, the RADIUS file for your permit, containing Facility Specific Requirements (Compliance Plan), Inventories and Compliance Schedules can be obtained by contacting the Helpline number given below. RADIUS software, instructions, and help are available at the Department's website at www.state.nj.us/dep/aqpp.

HELPLINE

The Operating Permit Helpline is available for any questions at (609) 633-8248 from 9:00 AM to 4:00 PM Monday to Friday.

RENEWING YOUR OPERATING PERMIT AND APPLICATION SHIELD

The permittee is responsible for submitting a timely and administratively complete operating permit renewal application pursuant to N.J.A.C. 7:27-22.30. Only applications which are timely and administratively complete are eligible for an application shield. The details on the contents of the renewal application, submittal schedule, and application shield are available in Section B - General Provisions and Authorities of this permit.

COMPLIANCE ASSURANCE MONITORING

Facilities that are subject to Compliance Assurance Monitoring (CAM), pursuant to 40 CFR 64, shall develop a CAM Plan for modified equipment as well as existing sources. The rule and guidance on how to prepare a CAM Plan can be found at EPA's website: https://www.epa.gov/air-emissions-monitoring-knowledge-base/compliance-assurance-monitoring. In addition, CAM Plans must be included as part of the permit renewal application. Facilities that do not submit a CAM Plan may have their permit applications denied, pursuant to N.J.A.C. 7:27-22.3.

ADMINISTRATIVE HEARING REQUEST

If, in your judgment, the Department is imposing any unreasonable condition of approval, you may contest the Department's decision and request an adjudicatory hearing pursuant to N.J.S.A. 52:14B-1 et seq. and N.J.A.C. 7:27-22.32(a). All requests for an adjudicatory hearing must be received in writing by the Department within 20 calendar days of the date you receive this letter. The request must contain the information specified in N.J.A.C. 7:27-1.32 and the information on the enclosed Administrative Hearing Request Checklist and Tracking Form.

If you have any questions regarding this permit approval, please call Anthony Williams at (609) 984-2082.

Approved by:

Yogesh Doshi

Yogesh Doshi

Enclosure

CC: Suilin Chan, United States Environmental Protection Agency, Region 2

Administrative Hearing Request Checklist and Tracking Form

I. Document Being Appealed

Facility Name	Program Interest (PI) Number	Permit Activity Number	Approval Date
BUCKEYE RARITAN BAY TERMINAL	**18054**	**BOP160001**	

II. Contact Information

Name and Title of Person Requesting Hearing	Name of Attorney (if applicable)
Address:	**Address:**
Telephone:	**Telephone:**
Email:	**Email:**

III. Please include the following information as part of your request:

1. The date the Permittee received the permit decision;
2. One printed and two PDF (or scanned) copies of the document being appealed saved on two CDs – for submitting to address 1 below;
3. A PDF (or scanned) copy of all documents being submitted to the Office of Legal Affairs saved on a CD – for submitting to address 2 below**;**
4. The legal and factual issues you are appealing;
5. A statement as to whether or not you raised each legal and factual issue during the permit application process;
6. Suggested revised or alternative permit conditions;
7. An estimate of the time required for the hearing;
8. A request, if necessary, for a barrier-free hearing location for physically disabled persons;
9. A clear indication of any willingness to negotiate a settlement with the Department prior to the Department's transmittal of your hearing request to the Office of Administrative Law.

Mail this form, completed, signed and dated with all of the information listed above, including attachments, to:

1. New Jersey Department of Environmental Protection
   Office of Legal Affairs
   Attention: Adjudicatory Hearing Requests
   401 E. State Street, P.O. Box 402
   Trenton, New Jersey 08625-0402

2. New Jersey Department of Environmental Protection
   Division of Air Quality
   Bureau of Stationary Sources – Operating Permits Section
   401 E. State Street, 2nd Floor, P.O. Box 420, Mail Code 401-02
   Trenton, New Jersey 08625-0420

_____ _____

Signature **Date**

Administrative Hearing Request Checklist and Tracking Form

IV. If you are not the Permittee but rather an interested person claiming to be aggrieved by the permit decision, please include the following information:

1. The date you or your agent received notice of the permit decision (include a copy of that permit decision with your hearing request);
2. Evidence that a copy of the request has been delivered to the applicant for the permit which is the subject of the permit decision;
3. A detailed statement of which findings of fact and/or conclusion of law you are challenging;
4. A description of your participation in any public hearings held in connection with the permit application and copies of any written comments you submitted;
5. Whether you claim a statutory or constitutional right to a hearing, and, if you claim such a right, a reference to the applicable statute or an explanation of how your property interests are affected by the permit decision;
6. If the appeal request concerns a CAFRA permit decision, evidence that a copy of the request has been delivered to the clerks of the county and the municipality in which the project which is the subject of the permit decision is located;
7. Suggested revised or alternative permit conditions;
8. An estimate of the time required for the hearing;
9. A request, if necessary, for a barrier-free hearing location for physically disabled persons;
10. A clear indication of any willingness to negotiate a settlement with the Department prior to the Department's transmittal of the hearing request to the Office of Administrative Law.

Mail this form, completed, signed and dated with all of the information listed above, including attachment, to:

1. New Jersey Department of Environmental Protection
   Office of Legal Affairs
   Attention: Adjudicatory Hearing Requests
   401 East State Street, P.O. Box 402
   Trenton, New Jersey 08625-0402

2. New Jersey Department of Environmental Protection
   Division of Air Quality
   Bureau of Stationary Sources – Operating Permits Section
   401 E. State Street, 2nd Floor, P.O. Box 420, Mail Code 401-02
   Trenton, New Jersey 08625-0420

Signature **Date**

Facility Name: BUCKEYE RARITAN BAY TERMINAL
Program Interest Number: 18054
Permit Activity Number: BOP160001

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Section A

Facility Name: BUCKEYE RARITAN BAY TERMINAL
Program Interest Number: 18054
Permit Activity Number: BOP160001

POLLUTANT EMISSIONS SUMMARY

Table 1: Total emissions from all Significant Source Operations[1] at the facility.

Facility's Potential Emissions from all Significant Source Operations (tons per year)										
Source Categories	VOC (total)	NO_x	CO	SO_2	TSP (total)	PM_{10} (total)	$PM_{2.5}$[2] (total)	Pb	HAPs* (total)	CO_2e[3]
Emission Units Summary	219	38.6	17.1	23.8	7.47	5.19	0.04	0.002	4.79	
Batch Process Summary	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Group Summary	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Total Emissions	219	38.6	17.1	23.8	7.47	5.19	0.04	0.002	4.79	17,081

Table 2: Estimate of total emissions from all Insignificant Source Operations[1] and total emissions from Non-Source Fugitives at the facility.

Emissions from all Insignificant Source Operations and Non-Source Fugitive Emissions (tons per year)									
Source Categories	VOC (total)	NO_x	CO	SO_2	TSP (total)	PM_{10} (total)	$PM_{2.5}$[2] (total)	Pb	HAPs (total)
Insignificant Source Operations	0.081	NA	NA	NA	NA	NA	NA	NA	NA
Non-Source Fugitive Emissions[4]	6.61	NA	NA	NA	NA	NA	NA	NA	0.51

VOC: Volatile Organic Compounds
NOx: Nitrogen Oxides
CO: Carbon Monoxide
SO_2: Sulfur Dioxide
TSP: Total Suspended Particulates
Other: Any other air contaminant regulated under the Federal CAA
PM_{10}: Particulates under 10 microns
$PM_{2.5}$: Particulates under 2.5 microns
Pb: Lead
HAPs: Hazardous Air Pollutants
CO_2e: Carbon Dioxide equivalent
N/A: Indicates the pollutant is not emitted or is emitted below the reporting threshold specified in the Appendix of N.J.A.C. 7:27-22

*Emissions of individual HAPs are provided in Table 3 on the next page.

Emissions of "Other" air contaminants are provided in Table 4 on the next page.

[1] Significant Source Operations and Insignificant Source Operations are defined at N.J.A.C. 7:27-22.1.
[2] $PM_{2.5}$ has been included in air permitting rules as of December 9, 2017. Consequently, $PM_{2.5}$ totals in this section may not be up to date. The Department is in the process of updating these limits during each permit modification, and the entire permit will be updated at the time of permit renewal.
[3] Total CO_2e emissions for the facility that includes all Significant Source Operations (emission units, batch process, group) and Insignificant Source Operations.
[4] Non-Source Fugitive Emissions are defined at N.J.A.C. 7:27-22.1 and are included if the facility falls into one or more categories listed at N.J.A.C. 7:27-22.2(a)2.

Section A

Facility Name: BUCKEYE RARITAN BAY TERMINAL
Program Interest Number: 18054
Permit Activity Number: BOP160001

POLLUTANT EMISSIONS SUMMARY

Table 3: Hazardous Air Pollutants (HAP) emissions summary[5]:

HAP	TPY
Arsenic compounds	0.00172
Benzene	0.52
Chromium compounds	0.000323
Hexane	1.82
Lead compounds	0.002
Nickel compounds	0.11
Toluene	1.43
Trimethylpentane (2,2,4-)	0.91

Table 4: Summary of "Other" air contaminants emissions from Significant Source Operations:

Other Air Contaminant	TPY

[5] Do not sum the values below for the purpose of establishing a total HAP potential to emit. See previous page for the allowable total HAP emissions.

Section B

Facility Name: BUCKEYE RARITAN BAY TERMINAL
Program Interest Number: 18054
Permit Activity Number: BOP160001

GENERAL PROVISIONS AND AUTHORITIES

1. No permittee shall allow any air contaminant, including an air contaminant detectable by the sense of smell, to be present in the outdoor atmosphere in a quantity and duration which is, or tends to be, injurious to human health or welfare, animal or plant life or property, or which would unreasonably interfere with the enjoyment of life or property. This shall not include an air contaminant that occurs only in areas over which the permittee has exclusive use or occupancy. Requirements relative only to nuisance situations, including odors, are not considered federally enforceable. [N.J.A.C. 7:27-22.16(g)8]

2. Any deviation from operating permit requirements which results in a release of air contaminants shall be reported to the Department as follows:

    a. If the air contaminants are released in a quantity or concentration which poses a potential threat to public health, welfare or the environment or which might reasonably result in citizen complaints, the permittee shall report the release to the Department:

        i. Immediately on the Department hotline at 1-(877) 927-6337, pursuant to N.J.S.A. 26:2C-19(e); and

        ii. As part of the compliance certification required in N.J.A.C. 7:27-22.19(f). However, if the deviation is identified through source emissions testing, it shall be reported through the source emissions testing and monitoring procedures at N.J.A.C. 7:27-22.18(e)3; or

    b. If the air contaminants are released in a quantity or concentration which poses no potential threat to public health, welfare or the environment and which will not likely result in citizen complaints, the permittee shall report the release to the Department as part of the compliance certification required in N.J.A.C. 7:27-22.19(f), except for deviations identified by source emissions testing reports, which shall be reported through the procedures at N.J.A.C. 7:27-22.18(e)3; or

    c. If the air contaminants are released in a quantity or concentration which poses no potential threat to public health, welfare or the environment and which will not likely result in citizen complaints, and the permittee intends to assert the affirmative defense afforded by N.J.A.C. 7:27-22.16(l), the violation shall be reported by 5:00 PM of the second full calendar day following the occurrence, or of becoming aware of the occurrence, consistent with N.J.A.C. 7:27-22.16(l). [N.J.A.C. 7:27-22.19(g)]

3. The permittee shall comply with all conditions of the operating permit including the approved compliance plan. Any non-compliance with a permit condition constitutes a violation of the New Jersey Air Pollution Control Act N.J.S.A. 26:2C-1 et seq., or the CAA, 42 U.S.C. §7401 et seq., or both, and is grounds for enforcement action; for termination, revocation and reissuance, or for modification of the operating permit; or for denial of an application for a renewal of the operating permit. [N.J.A.C. 7:27-22.16(g)1]

4. It shall not be a defense for the permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of its operating permit. [N.J.A.C. 7:27-22.16(g)2]

5. This operating permit may be modified, terminated, or revoked for cause by the EPA pursuant to 40 CFR 70.7(g) and revoked or reopened and modified for cause by the Department pursuant to N.J.A.C. 7:27-22.25. [N.J.A.C. 7:27-22.16(g)3]

6. The permittee shall furnish to the Department, within a reasonable time, any information that the Department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this operating permit; or to determine compliance with the operating permit. [N.J.A.C. 7:27-22.16(g)4]

7. The filing of an application for a modification of an operating permit, or of a notice of planned changes or anticipated non-compliance, does not stay any operating permit condition. [N.J.A.C. 7:27-22.16(g)5]

8. The operating permit does not convey any property rights of any sort, or any exclusive privilege. [N.J.A.C. 7:27-22.16(g)6]

9. Upon request, the permittee shall furnish to the Department copies of records required by the operating permit to be kept. [N.J.A.C. 7:27-22.16(g)7]

10. The Department and its authorized representatives shall have the right to enter and inspect any facility subject to N.J.A.C. 7:27-22, or portion thereof, pursuant to N.J.A.C. 7:27-1.31. [N.J.A.C. 7:27-22.16(g)9]

11. The permittee shall pay fees to the Department pursuant to N.J.A.C. 7:27. [N.J.A.C. 7:27-22.16(g)10]

12. Each permittee shall maintain records of all source emissions testing or monitoring performed at the facility and required by the operating permit in accordance with N.J.A.C. 7:27-22.19. Records shall be maintained, for at least five years from the date of each sample, measurement, or report. Each permittee shall maintain all other records required by this operating permit for a period of five years from the date each record is made. At a minimum, source emission testing or monitoring records shall contain the information specified at N.J.A.C. 7:27-22.19(b). [N.J.A.C. 7:27-22.19(a) and N.J.A.C. 7:27-22.19(b)]

13. a. For emergencies (as defined at 40 CFR 70.6(g)(1)) that result in non-compliance with any promulgated federal technology-based standard such as NSPS, NESHAPS, or MACT, a federal affirmative defense is available, pursuant to 40 CFR 70. To assert a federal affirmative defense, the permittee must use the procedures set forth in 40 CFR 70. The affirmative defense provisions described below may not be applied to any situation that caused the Facility to exceed any federally delegated regulation, including but not limited to NSPS, NESHAP, or MACT.

    b. For situations other than those covered above, an affirmative defense is available for a violation of a provision or condition of the operating permit only if:

        i. The violation occurred as a result of an equipment malfunction, an equipment startup or shutdown, or during the performance of necessary equipment maintenance; and

        ii. The affirmative defense is asserted and established as required by N.J.S.A. 26:2C-19.1 through 19.5 and any implementing rules. [N.J.A.C. 7:27-22.16(l)]

14. Each permittee shall meet all requirements of the approved source emissions testing and monitoring protocol during the term of the operating permit. Whenever the permittee makes a replacement, modification, change or repair of a certified CEMS or COMS that may significantly affect the ability of the system to accurately measure or record data, the permittee must recertify the CEMS or COMS in accordance with Section V.B. and Appendix E of Technical Manual 1005. The permittee is responsible for contacting the Emission Measurement Section to determine the need for recertification and/or to initiate the recertification process. The permittee is responsible for any downtime associated with the replacement, modification, change or repair of the CEMS or COMS. [N.J.A.C. 7:27-22.18(j)]

15. Each owner and each operator of any facility, source operation, or activity to which this permit applies is responsible for ensuring compliance with all requirements of N.J.A.C. 7:27-22. If the owner and operator are separate persons, or if there is more than one owner or operator, each owner and each operator is jointly and severally liable for any fees due under N.J.A.C. 7:27-22, and for any penalties for violation of N.J.A.C. 7:27-22. [N.J.A.C. 7:27-22.3]

16. In the event of a challenge to any part of this operating permit, all other parts of the permit shall continue to be valid. [N.J.A.C. 7:27-22.16(f)]

17. Unless specifically exempted from permitting, temporary mobile equipment for short-term activities may be periodically used at major facilities, on site for up to 90 days if the requirements listed below, (a) through (h) are satisfied.

    a. The permittee will ensure that the temporary mobile equipment will not be installed permanently or used permanently on site.

    b. The permittee will ensure that the temporary mobile equipment will not circumvent any State or Federal rules and regulations, even for a short period of time, and the subject equipment will comply with all applicable performance standards.

    c. The permittee cannot use temporary mobile equipment unless the owner of the subject equipment has obtained and maintains an approved mobile preconstruction permit, issued pursuant to N.J.A.C. 7:27-8, prior to bringing the temporary mobile equipment to operate at the major facility.

    d. The permittee is responsible for ensuring the temporary mobile equipment's compliance with the terms and conditions specified in its approved mobile preconstruction permit when the temporary mobile equipment operates on the property of the permittee.

    e. The permittee will ensure that temporary mobile equipment utilized for short-term activities will not operate on site for more than a total of 90 days during any calendar year.

    f. The permittee will keep on site a list of temporary mobile equipment being used at the facility with the start date, end date, and record of the emissions from all such equipment (amount and type of each air contaminant) no later than 30 days after the temporary mobile equipment completed its job in accordance with N.J.A.C. 7:27-22.19(i)3.

    g. Emissions from the temporary mobile equipment must be included in the emission netting analysis required of the permittee by N.J.A.C. 7:27-18.7. This information is maintained on site by the permittee and provided to the Department upon request in accordance with existing applicable requirements in the FC Section of its Title V permit.

    h. Where short-term activities (employing temporary mobile equipment) will reoccur on at least an annual basis, the permittee is required to include such activities (and the associated equipment) within one year of the first use, in its Title V permit through the appropriate modification procedures.

18. The permittee shall ensure that no air contaminant is emitted from any significant source operation at a rate, calculated as the potential to emit, that exceeds the applicable threshold for reporting emissions set forth in the Appendix to N.J.A.C. 7:27-22 or 7:27-17.9(a), unless emission of the air contaminant is authorized by this operating permit. [N.J.A.C. 7:27-22.3(c)]

19. Consistent with the provisions of N.J.A.C. 7:27-22.3(e), the permittee shall ensure that all requirements of this operating permit are met. In the event that there are multiple emission limitations, monitoring, recordkeeping, and/or reporting requirements for a given source operation, the facility must comply with all requirements, including the most stringent.

20. Consistent with the provisions of N.J.A.C. 7:27-22.9(c), the permittee shall use monitoring of operating parameters, where required by the compliance plan, as a surrogate for direct emissions testing or monitoring, to demonstrate compliance with applicable requirements.

21. The permittee is responsible for submitting timely and administratively complete operating permit applications:

Administrative Amendments [N.J.A.C. 7:27-22.20(c)];
Seven-Day Notice changes [N.J.A.C. 7:27-22.22(e)];
Minor Modifications [N.J.A.C. 7:27-22.23(e)];
Significant Modifications [N.J.A.C. 7:27-22.24(e)]; and
Renewals [N.J.A.C. 7:27-22.30(b).

22. The operating permit renewal application consists of a RADIUS application and the application attachment available at the Department's website http://www.nj.gov/dep/aqpp/applying.html (Attachment to the RADIUS Operating Permit Renewal Application). Both the RADIUS application and the Application Attachment, along with any other supporting documents must be submitted using the Department's Portal at: http://njdeponline.com/. The application is considered timely if it is received at least 12 months before the expiration date of the operating permit. To be deemed administratively complete, the renewal application shall include all information required by the application form for the renewal and the information required pursuant to N.J.A.C. 7:27-22.30(d). However, consistent with N.J.A.C. 7:27-22.30(c), the permittee is encouraged to submit the renewal application at least 15 months prior to expiration of the operating permit, so that any deficiencies can be identified and addressed to ensure that the application is administratively complete by the renewal deadline. Only renewal applications which are timely and administratively complete are eligible for an application shield.

23. Except as allowed in Technical Manual 1005, or otherwise allowed by the Department in this permit or in written guidelines/ procedures issued or approved by the Department, process monitors required by the Compliance Plan included in this permit must be operated at all times when the associated process equipment is operating. The permittee must keep a service log to document any outage.

24. Consistent with the provisions of N.J.A.C. 7:27-22.3(s), Except as otherwise provided in this subchapter, the submittal of any information or application by a permittee including, but not limited to, an application or notice for any change to the operating permit, including any administrative amendment, any minor or significant modification, renewal, a notice of a seven-day notice change, a notice of past or anticipated noncompliance, does not stay any operating permit condition, nor relieve a permittee from the obligation to obtain other necessary permits and to comply with all applicable Federal, State, and local requirements.

25. For all source emissions testing performed at the facility, the phrase "worst case conditions without creating an unsafe condition" used in the enclosed compliance plan is consistent with EPA's National Stack Testing Guidance, dated April 27, 2009, where all source emission testing performed at the facility shall be under the representative (normal) conditions that:

    i. Represent the range of combined process and control measure conditions under which the facility expects to operate (regardless of the frequency of the conditions); and

    ii. Are likely to most challenge the emissions control measures of the facility with regard to meeting the applicable emission standards, but without creating an unsafe condition.

Section C

Facility Name: BUCKEYE RARITAN BAY TERMINAL
Program Interest Number: 18054
Permit Activity Number: BOP160001

STATE-ONLY APPLICABLE REQUIREMENTS

N.J.A.C. 7:27-22.16(b)5 requires the Department to specifically designate as not being federally enforceable any permit conditions based only on applicable State requirements. The applicable State requirements to which this provision applies are listed in the table titled "State-Only Applicable Requirements."

STATE-ONLY APPLICABLE REQUIREMENTS

The following applicable requirements are not federally enforceable:

SECTION	SUBJECT ITEM	ITEM #	REF. #
B	---	1	---
B	---	13b	---
D	FC	---	3
D	FC	---	9

Section D

Facility Name: BUCKEYE RARITAN BAY TERMINAL
Program Interest Number: 18054
Permit Activity Number: BOP160001

FACILITY SPECIFIC REQUIREMENTS AND INVENTORIES

FACILITY SPECIFIC REQUIREMENTS PAGE INDEX

BUCKEYE RARITAN BAY TERMINAL (18054)
BOP160001

Date: 6/12/2018

New Jersey Department of Environmental Protection
Reason for Application

Permit Being Modified

Permit Class: BOP **Number:** 150001

Description of Modifications: To incorporate an existing 353-hp emergency diesel fire pump designated as Equipment E1001 (Operating Scenario U8-OS1). This source is subject to MACT Subpart ZZZZ.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Subject Item: **FC**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	General Provisions: The permittee shall comply with all applicable provisions of N.J.A.C. 7:27-1. [N.J.A.C. 7:27- 1]	None.	None.	None.
2	Control and Prohibition of Open Burning: The permittee is prohibited from open burning of rubbish, garbage, trade waste, buildings, structures, leaves, other plant life and salvage. Open burning of infested plant life or dangerous material may only be performed with a permit from the Department. [N.J.A.C. 7:27- 2]	None.	None.	Obtain an approved permit: Prior to occurrence of event (prior to open burning). [N.J.A.C. 7:27- 2]
3	Prohibition of Air Pollution: The permittee shall not emit into the outdoor atmosphere substances in quantities that result in air pollution as defined at N.J.A.C. 7:27-5.1. [N.J.A.C. 7:27- 5]	None.	None.	None.
4	Prevention and Control of Air Pollution Control Emergencies: Any person responsible for the operation of a source of air contamination set forth in Table 1 of N.J.A.C. 7:27-12 is required to prepare a written Standby Plan, consistent with good industrial practice and safe operating procedures, and be prepared for reducing the emission of air contaminants during periods of an air pollution alert, warning, or emergency. Any person who operates a source not set forth in Table 1 of N.J.A.C. 7:27-12 is not required to prepare such a plan unless requested by the Department in writing. [N.J.A.C. 7:27-12]	None.	None.	Comply with the requirement: Upon occurrence of event. Upon proclamation by the Governor of an air pollution alert, warning, or emergency, the permittee shall put the Standby Plan into effect. In addition, the permittee shall ensure that all of the applicable emission reduction objectives of N.J.A.C. 7:27-12.4, Table I, II, and III are complied with whenever there is an air pollution alert, warning, or emergency. [N.J.A.C. 7:27-12]
5	Emission Offset Rules: The permittee shall comply with all applicable provisions of Emission Offset Rules. [N.J.A.C. 7:27-18]	None.	None.	None.
6	Emission Statements: The Permittee shall comply with all the applicable provisions of N.J.A.C. 7:27-21. [N.J.A.C. 7:27-21]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
7	Compliance Certification: The permittee shall submit an annual Compliance Certification for each applicable requirement, pursuant to N.J.A.C. 7:27-22.19(f). [N.J.A.C. 7:27-22]	None.	None.	Submit an Annual Compliance Certification: Annually to the Department and to EPA within 60 days after the end of each calendar year during which this permit was in effect. The Compliance Certification shall be certified pursuant to N.J.A.C. 7:27-1.39 by the responsible official and submitted electronically through the NJDEP online web portal. The certification should be printed for submission to EPA. The NJDEP online web portal can be accessed at: http://www.state.nj.us/dep/online/. The Compliance Certification forms and instructions for submitting to EPA are available by selecting Documents and Forms and then Periodic Compliance Certification. [N.J.A.C. 7:27-22]
8	Prevention of Air Pollution from Consumer Products and Architectural Coatings: The permittee shall comply with all applicable provisions of N.J.A.C. 7:27-24 and [N.J.A.C. 7:27-23]	None.	None.	None.
9	Any operation of equipment which causes off-property effects, including odors, or which might reasonably result in citizen's complaints shall be reported to the Department to the extent required by the Air Pollution Control Act, N.J.S.A. 26:2C-19(e). [N.J.S.A. 26: 2C-19(e)]	Other: Observation of plant operations. [N.J.S.A. 26: 2C-19(e)].	Other: Maintain a copy of all information submitted to the Department. [N.J.S.A. 26: 2C-19(e)].	Notify by phone: Upon occurrence of event. A person who causes a release of air contaminants in a quantity or concentration which poses a potential threat to public health, welfare or the environment or which might reasonably result in citizen complaints shall immediately notify the Department. Such notification shall be made by calling the Environmental Action Hotline at (877) 927-6337. [N.J.S.A. 26: 2C-19(e)]
10	Prevention of Significant Deterioration: The permittee shall comply with all applicable provisions of Prevention of Significant Deterioration (PSD). [40 CFR 52.21]	None.	None.	None.

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Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
11	The permittee shall comply with all applicable provisions of National Emission Standards for Hazardous Air Pollutants (NESHAPS) for Asbestos, Subpart M. [40 CFR 61]	Other: Comply with 40 CFR 61.145 and 61.150 when conducting any renovation or demolition activities at the facility. [40 CFR 61].	Other: Comply with 40 CFR 61.153 when conducting any renovation or demolition activities at the facility. [40 CFR 61].	Comply with the requirement: Upon occurrence of event. The permittee shall comply with 40 CFR 61.153 when conducting any renovation or demolition activities at the facility. [40 CFR 61]
12	Protection of Stratospheric Ozone:1) If the permittee manufactures, transforms, destroys, imports, or exports a Class I or Class II substance, the permittee is subject to all the requirements as specified at 40 CFR 82, Subpart A; 2) If the permittee performs a service on motor "fleet" vehicles when this service involves an ozone depleting substance refrigerant (or regulated substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified at 40 CFR 82, Subpart B. 3) The permittee shall comply with the standards for labeling of products containing or manufactured with ozone depleting substances pursuant to 40 CFR 82, Subpart E. 4). The permittee shall comply with the standards for recycling and emission reductions of Class I and Class II refrigerants or a regulated substitute substance during the service, maintenance, repair, and disposal of appliances pursuant to 40 CFR 82, Subpart F, except as provided for motor vehicle air conditioners (MVACs) in Subpart B. 5) The permittee shall be allowed to switch from any ozone depleting substance to any alternative that is listed in the Significant New Alternative Program (SNAP) promulgated pursuant to 40 CFR 82, Subpart G. [40 CFR 82]	Other: Comply with 40 CFR 82 Subparts A, B, E, F, and G. [40 CFR 82].	Other: Comply with 40 CFR 82 Subparts A, B, E, F, and G. [40 CFR 82].	Comply with the requirement: Upon occurrence of event. The permittee shall comply with 40 CFR 82 Subparts A, B, E, F, and G. [40 CFR 82]

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
13	Deviation Reports: The permittee shall submit to the Department a certified six-month Deviation Report relating to testing and monitoring required by the operating permit. [N.J.A.C. 7:27-22.19(d)3], [N.J.A.C.7:27-22.19(e)], and [N.J.A.C. 7:27-22.19(c)]	None.	Other: The permittee shall maintain deviation reports for a period of five years from the date each report is submitted to the Department. [N.J.A.C.7:27-22.19(a)] and [N.J.A.C. 7:27-22.19(e)].	Submit a report: As per the approved schedule. The six-month deviation reports for the period from January 1 through June 30 shall be submitted by July 30 of the same calendar year, and for the period from July 1 through December 31, shall be submitted by January 30 of the following calendar year. The annual compliance certification required by N.J.A.C.7:27-22.19(f) may also be considered as your six-month Deviation Report for the period from July 1 – December 31, if submitted by January 30 of the following calendar year. The reports shall be certified pursuant to N.J.A.C. 7:27-1.39 by the responsible official and submitted electronically through the NJDEP online web portal. The NJDEP online web portal can be accessed at: http://www.state.nj.us/dep/online/ . The Compliance Certification forms are available by selecting Documents and Forms and then Periodic Compliance Certification. [N.J.A.C. 7:27-22]
14	Used Oil Combustion: No person shall combust used oil except as authorized pursuant to N.J.A.C. 7:27-20. [N.J.A.C. 7:27-20.2]	None.	None.	Comply with the requirement: Prior to occurrence of event (prior to burning used oil) either register with the Department pursuant to N.J.A.C. 7:27-20.3 or obtain a permit issued by the Department pursuant to N.J.A.C. 7:27-8 or 7:27-22, whichever is applicable. [N.J.A.C. 7:27-20.2(d)]
15	Prevention of Accidental Releases: Facilities producing, processing, handling or storing a chemical, listed in the tables of 40 CFR Part 68.130, and present in a process in a quantity greater than the listed Threshold Quantity, shall comply with all applicable provisions of 40 CFR 68. [40 CFR 68]	Other: Comply with 40 CFR 68. [40 CFR 68].	Other: Comply with 40 CFR 68. [40 CFR 68].	Other (provide description): Other. Comply with 40 CFR 68 as described in the Applicable Requirement. [40 CFR 68]

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Subject Item: **FG1 Pumps, valves,seals, connectors, loading arm valves, open-ended lines. (gasoline & distillate)**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	The permittee shall perform a monthly leak inspection of all equipment in gasoline service. [40 CFR 63.11089(a)]	Other: the permittee may use sight, sound, and smell to conduct the inspection.[40 CFR 63.11089(a)].	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The permittee shall record in the log book for each leak that is detected: (1) The equipment type and identification number. (2) The nature of the leak (i.e., vapor or liquid) and the method of detection (i.e., sight, sound, or smell). (3) The date the leak was detected and the date of each attempt to repair the leak. (4) Repair methods applied in each attempt to repair the leak. (5) "Repair delayed" and the reason for the delay if the leak is not repaired within 15 calendar days after discovery of the leak. (6) The expected date of successful repair of the leak if the leak is not repaired within 15 days. (7) The date of successful repair of the leak. . [40 CFR 63.11094(e)]	Repair equipment: Upon occurrence of event when a leak is detected, an initial attempt at repair shall be made as soon as practicable, but no later than 5 calendar days after the leak is detected. Repair or replacement of leaking equipment shall be completed within 15 calendar days after detection of each leak, except as provided in paragraph (d) of Section 40 CFR 63.11089. . [40 CFR 63.11089(c)]
2	A log book shall be used and shall be signed by the permittee at the completion of each inspection. A section of the log book shall contain a list, summary description, or diagram(s) showing the location of all equipment in gasoline service at the facility. [40 CFR 63.11089(b)]	None.	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The permittee shall prepare and maintain a record describing the types, identification numbers, and locations of all equipment in gasoline service. For facilities electing to implement an instrument program under 40 CFR 63.11089, the record shall contain a full description of the program. . [40 CFR 63.11094(d)]	None.

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Emission Unit: **U1 Internal Floating Roof Tanks #211 - 214 and #221 - 224 for Petroleum Hydrocarbon liquids and or Ethanol w/ VP <= 13.0 PSIA @ actual temperature.**

Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Summary of Applicable Federal Regulations: 40 CFR 63 Subpart A 40 CFR 63 Subpart BBBBBB [None]	None.	None.	None.
2	Stationary storage tanks storing applicable VOC and having a capacity greater than 2,000 gallons shall be painted and maintained white. [N.J.A.C. 7:27-16.2(b)1i]	None.	None.	None.
3	The storage tanks shall be equipped with floating roofs. [N.J.A.C. 7:27-16.2(b)2], [N.J.A.C. 7:27-16.3(d)1ii], and [N.J.A.C. 7:27-16.4(c)2]	None.	None.	None.
4	The floating-roof tanks are not required to meet the gap seal requirements at N.J.A.C. 7:27-16.2(l)3i through x while the roof is resting on its legs during the processes of draining, degassing or refilling the tank. [N.J.A.C. 7:27-16.2(f)5]	None.	None.	None.
5	Gauging and/or sampling systems shall be vapor tight, except when gauging or sampling is taking place, and when the roof is resting on its leg supports or suspended by cables or hangers. [N.J.A.C. 7:27-16.2(d)] and [N.J.A.C. 7:27-16.2(f)9]	None.	None.	None.
6	Equip each fixed roof support column and well with a sliding cover that is gasketed or with flexible fabric sleeves. [N.J.A.C. 7:27-16.2(l)7i]	None.	None.	Comply with the requirement: As per the approved schedule ; on or before the tank is refilled after being degassed for the first time after May 19, 2009, but no later than May 1, 2020 or on initial fill if the tank is constructed on or after May 19, 2009. [N.J.A.C. 7:27-16.2(l)7]

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
7	Equip each ladder well with a gasketed cover. The cover shall be closed at all times, with no visible gaps, except when the well must be opened for access. [N.J.A.C. 7:27-16.2(l)7ii]	None.	None.	Comply with the requirement: As per the approved schedule ; on or before the tank is refilled after being degassed for the first time after May 19, 2009, but no later than May 1, 2020 or on initial fill if the tank is constructed on or after May 19, 2009. [N.J.A.C. 7:27-16.2(l)7]
8	Equip each access hatch and gauge float well with a cover that is gasketed and bolted. Equip each gauge float well with a cover that is either gasketed and weighted or gasketed and bolted. The cover shall be closed at all times, with no visible gaps, except when the hatch or well must be opened for access. [N.J.A.C. 7:27-16.2(l)7iii]	None.	None.	Comply with the requirement: As per the approved schedule ; on or before the tank is refilled after being degassed for the first time after May 19, 2009, but no later than May 1, 2020 or on initial fill if the tank is constructed on or after May 19, 2009. [N.J.A.C. 7:27-16.2(l)7]
9	Equip each gauge hatch/sample well with a cover that is gasketed. The cover shall be closed at all times, with no visible gaps, except when the hatch or well must be opened for access. [N.J.A.C. 7:27-16.2(l)7iii]	None.	None.	Comply with the requirement: As per the approved schedule ; on or before the tank is refilled after being degassed for the first time after May 19, 2009, but no later than May 1, 2020 or on initial fill if the tank is constructed on or after May 19, 2009. [N.J.A.C. 7:27-16.2(l)7]
10	Gasket or cover each adjustable roof leg with a VOC impervious sock at all times when the roof is floating. [N.J.A.C. 7:27-16.2(l)7iii]	None.	None.	Comply with the requirement: As per the approved schedule ; on or before the tank is refilled after being degassed for the first time after May 19, 2009, but no later than May 1, 2020 or on initial fill if the tank is constructed on or after May 19, 2009. [N.J.A.C. 7:27-16.2(l)7]
11	Gasket each rim vent. Rim vents shall be closed at all times, with no visible gaps, when the roof is floating; and shall be set to open only when the roof is being floated off the roof leg supports or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. [N.J.A.C. 7:27-16.2(l)7iii]	None.	None.	Comply with the requirement: As per the approved schedule ; on or before the tank is refilled after being degassed for the first time after May 19, 2009, but no later than May 1, 2020 or on initial fill if the tank is constructed on or after May 19, 2009. [N.J.A.C. 7:27-16.2(l)7]

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
12	Gasket each vacuum breaker. Vacuum breakers shall be closed at all times, with no visible gaps, when the roof is floating; and shall be set to open only when the roof is being floated off or is being landed on the roof leg supports. [N.J.A.C. 7:27-16.2(l)7iii]	None.	None.	Comply with the requirement: As per the approved schedule ; on or before the tank is refilled after being degassed for the first time after May 19, 2009, but no later than May 1, 2020 or on initial fill if the tank is constructed on or after May 19, 2009. [N.J.A.C. 7:27-16.2(l)7]
13	Equip each open floating roof drain with a slotted membrane fabric cover or other device with an equivalent control efficiency that covers at least 90 percent of the area of the opening. [N.J.A.C. 7:27-16.2(l)7iii]	None.	None.	Comply with the requirement: As per the approved schedule ; on or before the tank is refilled after being degassed for the first time after May 19, 2009, but no later than May 1, 2020 or on initial fill if the tank is constructed on or after May 19, 2009. [N.J.A.C. 7:27-16.2(l)7]
14	Equip each unslotted guidepole well with a gasketed sliding cover and a flexible fabric sleeve or wiper. [N.J.A.C. 7:27-16.2(l)7iii]	None.	None.	Comply with the requirement: As per the approved schedule ; on or before the tank is refilled after being degassed for the first time after May 19, 2009, but no later than May 1, 2020 or on initial fill if the tank is constructed on or after May 19, 2009. [N.J.A.C. 7:27-16.2(l)7]
15	Equip each unslotted guidepole with a gasketed cover at the end of the pole. The cover shall be closed at all times, with no visible gaps, except when gauging or sampling. [N.J.A.C. 7:27-16.2(l)7iii]	None.	None.	Comply with the requirement: As per the approved schedule ; on or before the tank is refilled after being degassed for the first time after May 19, 2009, but no later than May 1, 2020 or on initial fill if the tank is constructed on or after May 19, 2009. [N.J.A.C. 7:27-16.2(l)7]
16	Equip each slotted guidepole with a gasketed cover, a pole wiper and a pole sleeve. The pole sleeve shall be extended into the stored liquid. [N.J.A.C. 7:27-16.2(l)7iii]	None.	None.	Comply with the requirement: As per the approved schedule ; on or before the tank is refilled after being degassed for the first time after May 19, 2009, but no later than May 1, 2020 or on initial fill if the tank is constructed on or after May 19, 2009. [N.J.A.C. 7:27-16.2(l)7]
17	Equip each slotted guidepole having a pole float with a gasketed cover, a pole wiper, and a pole float wiper. The wiper or seal of the pole float shall be at or above the height of the pole wiper. [N.J.A.C. 7:27-16.2(l)7iii]	None.	None.	Comply with the requirement: As per the approved schedule ; on or before the tank is refilled after being degassed for the first time after May 19, 2009, but no later than May 1, 2020 or on initial fill if the tank is constructed on or after May 19, 2009. [N.J.A.C. 7:27-16.2(I)7]

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
18	Cover each slotted guidepole opening with a gasketed cover at all times, with no visible gaps, except when the cover must be opened for access. [N.J.A.C. 7:27-16.2(l)7iii]	None.	None.	Comply with the requirement: As per the approved schedule ; on or before the tank is refilled after being degassed for the first time after May 19, 2009, but no later than May 1, 2020 or on initial fill if the tank is constructed on or after May 19, 2009. [N.J.A.C. 7:27-16.2(l)7]
19	Maintain the pole float in a condition such that it floats within the guidepole at all times except when it must be removed for sampling or when the tank is empty. [N.J.A.C. 7:27-16.2(l)7iii]	None.	None.	Comply with the requirement: As per the approved schedule ; on or before the tank is refilled after being degassed for the first time after May 19, 2009, but no later than May 1, 2020 or on initial fill if the tank is constructed on or after May 19, 2009. [N.J.A.C. 7:27-16.2(l)7]
20	Except for vacuum breakers and rim vents, ensure that each opening in the floating roof shall provide a projection below the liquid surface. [N.J.A.C. 7:27-16.2(l)7iii]	None.	None.	Comply with the requirement: As per the approved schedule ; on or before the tank is refilled after being degassed for the first time after May 19, 2009, but no later than May 1, 2020 or on initial fill if the tank is constructed on or after May 19, 2009. [N.J.A.C. 7:27-16.2(l)7]
21	Except for vacuum breakers, rim vents, roof drains, and leg sleeves, equip all other openings in the roof with a gasketed cover or seal that is closed at all times, with no visible gaps, except when the cover or seal must be opened for access. [N.J.A.C. 7:27-16.2(l)7iii]	None.	None.	Comply with the requirement: As per the approved schedule ; on or before the tank is refilled after being degassed for the first time after May 19, 2009, but no later than May 1, 2020 or on initial fill if the tank is constructed on or after May 19, 2009. [N.J.A.C. 7:27-16.2(l)7]
22	In lieu of complying with the requirement of no visible gap listed above, the owner or operator may maintain all roof openings in a leak-free condition at all times except during preventive maintenance, repair, or inspection periods specified at N.J.A.C. 7:27-16.2(r). [N.J.A.C. 7:27-16.2(l)7iii]	None.	None.	Comply with the requirement: As per the approved schedule ; on or before the tank is refilled after being degassed for the first time after May 19, 2009, but no later than May 1, 2020 or on initial fill if the tank is constructed on or after May 19, 2009. [N.J.A.C. 7:27-16.2(l)7]

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
23	Equip the tank with a rim seal system consisting of a primary seal and a secondary seal. The primary seal shall be a mechanical shoe or liquid mounted. A vapor mounted wiper primary seal may be used on a tank with a shell that has riveted or lap-welded horizontal seams. The secondary seal shall be rim-mounted and shall not be attached to the primary seal. [N.J.A.C. 7:27-16.2(l)7iv2]	None.	None.	Comply with the requirement: As per the approved schedule ; on or before the tank is refilled after being degassed for the first time after May 19, 2009, but no later than May 1, 2020 or on initial fill if the tank is constructed on or after May 19, 2009. [N.J.A.C. 7:27-16.2(l)7]
24	Gaps between the tank shell and the primary seal shall not exceed 1.3 centimeters (1/2 inch) for a cumulative length of 30 percent of the circumference of the tank, and 0.32 centimeters (1/8 inch) for 60 percent of the circumference of the tank. No gap between the tank shell and the primary seal shall exceed 3.8 centimeters (1-1/2 inches). No continuous gap between the tank shell and the primary seal greater than 0.32 centimeters (1/8 inch) shall exceed 10 percent of the circumference of the tank. [N.J.A.C. 7:27-16.2(l)7iv2]	None.	None.	Comply with the requirement: As per the approved schedule ; on or before the tank is refilled after being degassed for the first time after May 19, 2009, but no later than May 1, 2020 or on initial fill if the tank is constructed on or after May 19, 2009. [N.J.A.C. 7:27-16.2(l)7]
25	Gaps between the tank shell and the secondary seal shall not exceed 0.32 centimeters (1/8 inch) for a cumulative length of 95 percent of the circumference of the tank. No gap between the tank shell and the secondary seal shall exceed 1.3 centimeters (1/2 inch). [N.J.A.C. 7:27-16.2(l)7iv2]	None.	None.	Comply with the requirement: As per the approved schedule ; on or before the tank is refilled after being degassed for the first time after May 19, 2009, but no later than May 1, 2020 or on initial fill if the tank is constructed on or after May 19, 2009. [N.J.A.C. 7:27-16.2(l)7]
26	A mechanical shoe primary seal shall have one end extend a minimum vertical distance of 15 centimeters (six inches) above the stored organic liquid surface and the other end extend into the liquid a minimum of 10 centimeters (four inches) instead of meeting the requirement at N.J.A.C. 7:27-16.2(l)3v. [N.J.A.C. 7:27-16.2(l)7iv2A]	None.	None.	Comply with the requirement: As per the approved schedule ; on or before the tank is refilled after being degassed for the first time after May 19, 2009, but no later than May 1, 2020 or on initial fill if the tank is constructed on or after May 19, 2009. [N.J.A.C. 7:27-16.2(l)7]

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
27	The geometry of the shoe shall be such that the maximum gap between the shoe and the tank shell is no greater than doubled the gap allowed by the seal gap criteria specified in (l)3iii above for a length of at least 46 centimeters (18 inches) in the vertical plane above the liquid surface. [N.J.A.C. 7:27-16.2(l)7iv2]	None.	None.	Comply with the requirement: As per the approved schedule ; on or before the tank is refilled after being degassed for the first time after May 19, 2009, but no later than May 1, 2020 or on initial fill if the tank is constructed on or after May 19, 2009. [N.J.A.C. 7:27-16.2(l)7]
28	The primary seal envelope shall be made available for unobstructed inspection by the Department, upon request, along its circumference. In the case of riveted tanks with resilient filled primary seals, at least eight such locations shall be made available; for all other types of seals, at least four such locations shall be made available. If the Department deems it necessary, further unobstructed inspection of the primary seal may be required to determine the seal's condition along its entire circumference. [N.J.A.C. 7:27-16.2(l)7iv2]	None.	None.	Comply with the requirement: As per the approved schedule ; on or before the tank is refilled after being degassed for the first time after May 19, 2009, but no later than May 1, 2020 or on initial fill if the tank is constructed on or after May 19, 2009. [N.J.A.C. 7:27-16.2(l)7]
29	The secondary seal shall be installed in a way that permits probes up to 3.8 centimeters (1-1/2 inches) in width to be inserted to measure gaps in the primary seal. [N.J.A.C. 7:27-16.2(l)7iv2]	None.	None.	Comply with the requirement: As per the approved schedule ; on or before the tank is refilled after being degassed for the first time after May 19, 2009, but no later than May 1, 2020 or on initial fill if the tank is constructed on or after May 19, 2009. [N.J.A.C. 7:27-16.2(l)7]
30	There shall be no holes, tears or openings in the secondary seal or in the primary seal envelope surrounding the annular vapor space enclosed by the roof edge, seal fabric, and secondary seal. [N.J.A.C. 7:27-16.2(l)7iv2]	None.	None.	Comply with the requirement: As per the approved schedule ; on or before the tank is refilled after being degassed for the first time after May 19, 2009, but no later than May 1, 2020 or on initial fill if the tank is constructed on or after May 19, 2009. [N.J.A.C. 7:27-16.2(l)7]

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
31	Except during preventive maintenance, repair, or inspection periods specified at N.J.A.C. 7:27-16.2(r) that do not exceed 72 hours, both the primary seal and the secondary seal shall cover the annular space between the floating roof and the wall of the storage tank in a continuous fashion, as required at N.J.A.C. 7:27-16.2 (l)3iii and iv. [N.J.A.C. 7:27-16.2(l)7iv2]	None.	None.	Comply with the requirement: As per the approved schedule ; on or before the tank is refilled after being degassed for the first time after May 19, 2009, but no later than May 1, 2020 or on initial fill if the tank is constructed on or after May 19, 2009. [N.J.A.C. 7:27-16.2(l)7]
32	For an internal floating roof installed prior to July 23, 1984, ensure that the concentration of organic vapor in the vapor space above the internal floating roof shall not exceed 50 percent of its lower explosive limit; For an internal floating roof installed after July 23, 1984, ensure that the concentration of organic vapor in the vapor space above the internal floating roof shall not exceed 30 percent of its lower explosive limit. [N.J.A.C. 7:27-16.2(l)7v] & [N.J.A.C. 7:27-16.2(l)7vi]	Other: Demonstrate compliance annually by using an explosimeter, measuring the organic vapor concentration in the vapor space above the floating roof in terms of the lower explosive limit (LEL). [N.J.A.C. 7:27-16.2(r)6i] &[N.J.A.C. 7:27-16.2(r)8].	Recordkeeping by manual logging of parameter or storing data in a computer data system annually. Record the explosimeter reading in section E of the Inspection Form. [N.J.A.C. 7:27-16.2(r)6i]	Comply with the requirement: As per the approved schedule ; on or before the tank is refilled after being degassed for the first time after May 19, 2009, but no later than May 1, 2020 or on initial fill if the tank is constructed on or after May 19, 2009. [N.J.A.C. 7:27-16.2(l)7]
33	If the tank was constructed or installed prior to December 17, 1979, the requirements of [N.J.A.C. 7:27-16.2(l)3, 5, 6 or 7] shall apply as applicable. [N.J.A.C. 7:27-16.2(l)8]	None.	None.	None.
34	If a tank is equipped with an internal floating roof, the roof shall float on the liquid surface at all times, except during initial fill and during those intervals when the storage vessel is completely emptied or subsequently emptied and refilled. [N.J.A.C. 7:27-16.2(m)]	None.	None.	None.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
35	When performing a roof landing of an internal floating roof tank: 1. When the roof is resting on its leg supports or suspended by cables or hangers, the process of filling, emptying, or refilling shall be continuous and shall be accomplished as rapidly as possible; and 2. After the tank is refilled after being degassed for the first time after May 19, 2009, any in-service roof landing shall be with the landed height of the floating roof at its minimum setting. [N.J.A.C. 7:27-16.2(o)]	None.	Other: The owner or operator shall maintain on-site, for each tank, for the time period specified at N.J.A.C. 7:27-16.22(a): - Records of the roof landing emission information required at N.J.A.C. 7:27-21.5(j)1; and - If the owner or operator of a floating roof tank has not implemented all control measures pursuant to the tank VOC control plan submitted pursuant to N.J.A.C. 7:27-16.2(p), or if a floating roof tank is exempt pursuant to 7:27-16.2(f)5, the records of each floating roof landing event including, but not limited to, tank contents before landing and after refilling; landed height of the floating roof; height of any liquid remaining in the bottom of the tank after landing; duration of landing; landing emissions calculated using AP-42, Chapter 7 methodology, and any other records needed to create the "Floating Roof Landing Emission Summary Report" required at N.J.A.C. 7:27-21.5(j)2. [N.J.A.C. 7:27-16.2(s)2] &[N.J.A.C. 7:27-16.2(s)3].	None.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
36	Degassing of tanks storing VOC with a vapor pressure equal to or greater than 0.5 psia at standard conditions performed during the period May 1 through September 30 shall be performed only as follows: i. Empty the tank of the VOC liquid; ii. Minimize VOC vapors in the tank vapor space by one of the following methods: 1)Exhaust VOCs contained in the tank vapor space to a vapor control system rated at a minimum 95 percent efficiency until the organic vapor concentration is 5,000 parts per million by volume (ppmv) or less as methane, or is 10 percent or less of the lower explosive limit, whichever is less; 2) Displace VOCs contained in the tank vapor space to a vapor control system rated at a minimum 95 percent efficiency by filling the tank with a suitable liquid until 90 percent or more of the maximum operating level of the tank is filled. Suitable liquids are organic liquids having a TVP of less than 0.5 psia, water, clean produced water, or produced water derived from crude oil having a TVP less than 0.5 psia; or 3) If the tank is a free-water knockout tank, a person may degas the tank vapor space by restricting the outflow of water and floating off the oilpad, such that at least 90 percent of the tank volume is displaced; iii. Discharge or displace the VOC vapors contained in the tank vapor space to a vapor control system that is vapor-tight and free of liquid leaks. [N.J.A.C. 7:27-16.2(q)1i] thru [N.J.A.C. 7:27-16.2(q)1iii]	None.	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The owner or operator shall maintain on-site, for each tank, records of all tank degassing, cleaning and sludge removal activities performed. [N.J.A.C. 7:27-16.2(s)6]	None.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
37	Degassing of tanks storing VOC with a vapor pressure equal to or greater than 0.5 psia at standard conditions performed during the period May 1 through September 30 shall be performed only as follows: As appropriate, temporarily remove for no longer than one hour, a suitable tank fitting, such as a manway, to facilitate connection to an external vapor control system. [N.J.A.C. 7:27-16.2(q)1iv]	None.	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The owner or operator shall maintain on-site, for each tank, records of all tank degassing, cleaning and sludge removal activities performed. [N.J.A.C. 7:27-16.2(s)6]	None.
38	The cleaning of tanks storing a VOC with a vapor pressure equal to or greater than 0.5 psia at standard conditions performed during the period May 1 through September 30 shall be performed only if: i. At least one of the following cleaning agents is used: (1) Diesel fuel; (2) A solvent with an initial boiling point of greater than 302 degrees Fahrenheit; (3) A solvent with a vapor pressure less than 0.5 psia; (4) A solvent with 50 grams per liter VOC content or less; or (5) Some other Department-approved cleaning agent; or ii. Steam cleaning is performed. [N.J.A.C. 7:27-16.2(q)2]	None.	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The owner or operator shall maintain on-site, for each tank, records of all tank degassing, cleaning and sludge removal activities performed. [N.J.A.C. 7:27-16.2(s)6]	None.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
39	The permittee shall control emissions from the sludge removed from a tank that stores a VOC with a vapor pressure equal to or greater than 1.5 psia at standard conditions during May 1 through September 30 by: i. During sludge removal, controlling emissions from the receiving vessel by operating a vapor control system that reduces VOC emissions by at least 95 percent; ii. Transporting removed sludge in containers that are vapor-tight and free of liquid leaks; and iii. Storing removed sludge, until final disposal, in containers that are vapor-tight and free of liquid leaks, or in tanks that comply with N.J.A.C. 7:27-16.2(b). [N.J.A.C. 7:27-16.2(q)3]	None.	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The owner or operator shall maintain on-site, for each tank, records of all tank degassing, cleaning and sludge removal activities performed. [N.J.A.C. 7:27-16.2(s)6]	None.
40	The owner or operator of a VOC stationary storage tank in Range III shall have an inspection performed by an authorized inspector. During the inspection, the authorized inspector performing the inspection must have a copy of the relevant portions of the Operating Permit pertinent to the tank being inspected. The authorized inspector shall compare the permit to the existing tank and actual operating conditions of the tank. [N.J.A.C. 7:27-16.2(r)2]	Other: Perform an inspection by an authorized inspector and maintain the tank. During the inspection, the authorized inspector performing the inspection must have a copy of the relevant portions of the Operating Permit pertinent to the tank being inspected. The authorized inspector shall compare the permit to the existing tank and actual operating conditions of the tank.[N.J.A.C. 7:27-16.2(r)].	Other: Annually complete all necessary calculations and record all required data accordingly in the Inspection Form and Fugitive Emissions Form at N.J.A.C. 7:27-16 Appendix II per N.J.A.C. 7:27-16.2(r)4. Record any discrepancies between the permit equipment description and the existing tank, or the permit conditions and the actual operating conditions of the tank, as verified during an inspection, in section J "Comments" of the Inspection Form. If an inspection is stopped before completion, indicate the reason for this action in section J "Comments" of the Inspection Form per N.J.A.C. 7:27-16.2r(1) and r(2). Maintain all inspection reports for the lifetime of each tank.[N.J.A.C. 7:27-16.2(s)5].	Submit a report: As per the approved schedule. If, during the inspection, or any other time, the permittee determines that a tank does not comply with N.J.A.C. 7:27-16.2(l), the permittee shall submit a written report to the Department including the cause of the non-compliance, corrective actions to achieve compliance and measures taken to prevent a re-occurrence of the non-compliance. The permittee shall include this report as part of the periodic compliance reports required at N.J.A.C. 7:27-19(d) and (f). [N.J.A.C. 7:27-16.2(u)]

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
41	An authorized inspector shall annually inspect the ground level periphery of each tank for possible leaks in the tank shell. [N.J.A.C. 7:27-16.2(r)3]	Monitored by visual determination annually. [N.J.A.C. 7:27-22.16(o)]	Other: Complete section D "Ground Level Inspection" of the Inspection Form. Maintain all inspection reports for the lifetime of each tank. [N.J.A.C. 7:27-16.2(r)3] &[N.J.A.C. 7:27-16.2(s)5].	None.
42	The authorized inspector shall annually, through hatch or other opening, visually inspect the roof to check for permit and rule violations, and visually check the roof for unsealed roof legs, open hatches, open emergency roof drains, or open vacuum breakers. [N.J.A.C. 7:27-16.2(r)6ii] and [N.J.A.C. 7:27-16.2(r)8]	None.	Other: The authorized inspector shall record the findings under section F of the Inspection Form, annually. Indicate presence of any tears in the fabric of the visible seal. Maintain all inspection reports for the lifetime of each tank. [N.J.A.C. 7:27-16.2(r)6ii], [N.J.A.C. 7:27-16.2(r)8] and [N.J.A.C. 7:27-16.2(s)5].	None.
43	Each time the tank is degassed, but no less than once every 10 years, inspect the deck fittings for visible gaps using the 1/8 inch probes. [N.J.A.C. 7:27-16.2(r)5ii], [N.J.A.C. 7:27-16.2(r)6iii], & [N.J.A.C. 7:27-16.2(r)8]	Other: An authorized inspector shall perform an inspection according to N.J.A.C. 7:27-16.2(r) each time the tank is degassed, but no less than once every 10 years.[N.J.A.C. 7:27-16.2(r)].	Other: Annually record all required data accordingly in the Inspection Form and Fugitive Emissions Form at N.J.A.C. 7:27-16 Appendix II. Maintain all inspection reports for the lifetime of each tank. [N.J.A.C. 7:27-16.2(r)5ii], [N.J.A.C. 7:27-16.2(r)6iii], [N.J.A.C. 7:27-16.2(r)8] and[N.J.A.C. 7:27-16.2(s)5].	None.
44	Each time the tank is degassed, but no less than once every 10 years, inspect the entire secondary seal for the gap requirements at N.J.A.C. 7:27-16.2(l)3iv using the 1/8 inch, 1/2 inch, and 1-1/2 inch probes. [N.J.A.C. 7:27-16.2(r)5iii], [N.J.A.C. 7:27-16.2(r)6iii], & [N.J.A.C. 7:27-16.2(r)8]	Other: Inspect the entire secondary seal for the gap requirements at [N.J.A.C. 7:27-16.2 (l)3iv] above using the 1/8 inch, 1/2 inch, and 1-1/2 inch probes. [N.J.A.C. 7:27-16.2(r)5iii], [N.J.A.C. 7:27-16.2(r)6iii], and[N.J.A.C. 7:27-16.2(r)8].	Other: Record the gap data in section F(4) of the Inspection Form. Record all cumulative gaps between 1/8 inch and 1/2 inch, between 1/2 inch and 1-1/2 inch, and in excess of 1-1/2 inches, in section G of the Inspection Form. Measure all secondary seal gaps greater than 1/2 inch for length and width, and record in section J "Comments" of the Inspection Form. Maintain all inspection reports for the lifetime of each tank. [N.J.A.C. 7:27-16.2(s)5], [N.J.A.C. 7:27-16.2(r)5iii], [N.J.A.C. 7:27-16(r)6iii], [N.J.A.C. 7:27-16.2(r)8] and [N.J.A.C. 7:27-16.2(s)5].	None.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
45	Each time the tank is degassed, but no less than once every 10 years, inspect the entire primary seal for the gap requirements at N.J.A.C. 7:27-16.2(l)3iii using the 1/8 inch, 1/2 inch and 1-1/2 inch probes. The primary seal shall be inspected by holding back the secondary seal. [N.J.A.C. 7:27-16.2(r)5iv], [N.J.A.C. 7:27-16.2(r)6iii] & [N.J.A.C. 7:27-16.2(r)8]	Other: An authorized inspector shall perform an inspection according to N.J.A.C. 7:27-16.2(r) each time the tank is degassed, but no less than once every 10 years.[N.J.A.C. 7:27-16.2(r)].	Other: Record the gap data in section F(5) of the Inspection Form. Record all cumulative gaps between 1/8 inch and 1/2 inch; between 1/2 inch and 1-1/2 inch; and in excess of 1-1/2 inches, in section G of the Inspection Form. Maintain all inspection reports for the lifetime of each tank. [N.J.A.C. 7:27-16.2(r)5iv], [N.J.A.C. 7:27-16.2(r)6iii], [N.J.A.C. 7:27-16.2(r)8], &[N.J.A.C. 7:27-16.2(s)5].	None.
46	The owner or operator of any VOC storage tank in Range III shall repair or replace any piping, valve, vent, seal, gasket, or cover of a roof opening that: i. Is defective; ii. Has a visible gap or is not leak-free; or iii. Does not meet any applicable requirement of N.J.A.C. 7:27-16.2. [N.J.A.C. 7:27-16.2(r)10]	None.	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The permittee shall maintain on-site, for each tank, for at least 5 years, the repair and replacement documentation. [N.J.A.C. 7:27-16.2(s)8]	Other (provide description): As per the approved schedule the owner or operator shall perform the repair or replacement: i. If the tank is already degassed, prior to filling; or ii. If the tank is not degassed, within 45 days after discovery of the needed repair or replacement. If a repair cannot be completed and the vessel cannot be emptied within 45 days, the owner or operator may use up to two extensions of up to 30 additional days each. Documentation of the owner or operators decision to use an extension shall include a description of the failure, shall document that alternative storage capacity is unavailable, and shall specify a schedule of actions that will ensure that the control equipment will be repaired or the vessel will be completely emptied as soon as practicable. . [N.J.A.C. 7:27-16.2(r)11]
47	The owner or operator shall maintain on-site, for each tank, records of all tank integrity testing schedules for Range III tanks that N.J.A.C. 7:1E-4.2(c)1v requires to be included in the "Discharge, Prevention, Containment and Countermeasure Plan". [N.J.A.C. 7:27-16.2(s)7]	None.	Other: The owner or operator shall maintain records on-site, for each tank, for the time period specified at N.J.A.C. 7:27-16.22(a), records of all tank integrity testing schedules.[N.J.A.C. 7:27-16.2(s)7].	None.
48	The transfer of gasoline into the tanks shall be through a submerged fill pipe. [N.J.A.C. 7:27-16.3(c)1i] and [N.J.A.C. 7:27-16.4(b)]	None.	None.	None.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
49	VOC (Total) <= 131 tons/yr including roof landings and degassing, cleaning, and refilling. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
50	HAPs (Total) <= 4.68 tons/yr. [N.J.A.C. 7:27-22.16(a)]	HAPs (Total): Monitored by calculations each month during operation. [N.J.A.C. 7:27-22.16(o)]	HAPs (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. The permittee shall maintain records of HAP emissions during each calendar month and during each consecutive 12-month period. [N.J.A.C. 7:27-22.16(o)]	None.
51	Benzene <= 0.52 tons/yr. [N.J.A.C. 7:27-22.16(a)]	Benzene: Monitored by calculations each month during operation. [N.J.A.C. 7:27-22.16(o)]	Benzene: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. The permittee shall maintain records of benzene emissions during each calendar month and during each consecutive 12-month period. [N.J.A.C. 7:27-22.16(o)]	None.
52	Hexane (n-) <= 1.82 tons/yr. [N.J.A.C. 7:27-22.16(a)]	Hexane (n-): Monitored by calculations each month during operation. [N.J.A.C. 7:27-22.16(o)]	Hexane (n-): Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. The permittee shall maintain records of hexane emissions during each calendar month and during each consecutive 12-month period. [N.J.A.C. 7:27-22.16(o)]	None.
53	Toluene <= 1.43 tons/yr. [N.J.A.C. 7:27-22.16(a)]	Toluene: Monitored by calculations each month during operation. [N.J.A.C. 7:27-22.16(o)]	Toluene: Recordkeeping by manual logging of parameter or storing data in a computer data system each week during operation. The permittee shall maintain records of toluene emissions during each calendar month and during each consecutive 12-month period. [N.J.A.C. 7:27-22.16(o)]	None.
54	Trimethylpentane (2,2,4-) <= 0.91 tons/yr. [N.J.A.C. 7:27-22.16(a)]	Trimethylpentane (2,2,4-): Monitored by calculations each month during operation. [N.J.A.C. 7:27-22.16(o)]	Trimethylpentane (2,2,4-): Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. The permittee shall maintain records of 2,2,4-trimethylpentane emissions during each calendar month and during each consecutive 12-month period. [N.J.A.C. 7:27-22.16(o)]	None.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
55	Total Throughput: <= 1,641,482,000 gallons/year. [N.J.A.C. 7:27-22.16(e)]	Other: Monitored by tank gauging each time the tank contents are transferred.[N.J.A.C. 7:27-22.16(o)].	Total Throughput: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. The permittee shall maintain records of total throughput during each calendar month and during each consecutive 12-month period. [N.J.A.C. 7:27-22.16(o)]	None.
56	Storage tank Content is limited to any non-HAP VOC with a Vapor Pressure <= 13 psia @ 70 degrees F. [N.J.A.C. 7:27-22.16(a)]	None.	Vapor Pressure: Recordkeeping by manual logging of parameter or storing data in a computer data system per change of material. The permittee shall maintain records that specify each VOC stored and the vapor pressure of each VOC stored at standard conditions. [N.J.A.C. 7:27-16.2(s)1]	None.
57	VOC Roof Landing Emissions < 5 tons per tank per calendar year. The tanks are exempt from the requirements of N.J.A.C. 7:27-16.2(p). [N.J.A.C. 7:27-16.2(f)6] and. [N.J.A.C. 7:27-22.16(a)]	VOC Roof Landing Emissions: Monitored by calculations each month during operation. The permittee shall calculate VOC Roof landing emissions resulting from in-service floating roof landings during each calendar month for each tank (as defined at N.J.A.C. 7:27-16.1) using the methodology described at AP-42, Chapter 7 (November 2006 or later version). [N.J.A.C. 7:27-16.2(f)6] and. [N.J.A.C. 7:27-22.16(o)]	VOC Roof Landing Emissions: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. The permittee shall maintain the following records of each floating roof landing event: 1. tank contents before landing and after refilling; 2. landed height of the floating roof; 3. height of any liquid remaining in the bottom of the tank after landing; 4. duration of landing; 5. landing emissions during each calendar month calculated using AP-42, Chapter 7 methodology; and 6. any other records needed to create the Floating Roof Landing Emission Summary Report required at N.J.A.C. 7:27-21.5(j)2. [N.J.A.C. 7:27-16.2(s)2] and. [N.J.A.C. 7:27-16.2(s)3]	None.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
58	Storage vessels equipped with floating roofs and not meeting the requirements of 40 CFR 63.11087 (a) must be in compliance at the first degassing and cleaning activity after January 10, 2011 or by January 10, 2018, whichever is first. [40 CFR 63.11083(b)] and [40 CFR 63.11087(b)]	None.	None.	Submit notification: As per the approved schedule The permittee shall submit an Initial Notification as specified in 40 CFR 63.9(b). If the facility is in compliance with the requirements of 40 CFR 63 Subpart BBBBBB at the time the Initial Notification is due, the Notification of Compliance Status required under 40 CFR 63.11093 (b) of Section 40 CFR 63.11093 may be submitted in lieu of the Initial Notification. [40 CFR 63.11093(a)]
59	Equip each internal floating roof gasoline storage tank according to 40 CFR 60.112b(a)(1), except for the secondary seal requirements under 40 CFR 60.112b(a)(1)(ii)(B) and the requirements of 40 CFR 60.112b(a)(1)(iv) through (ix). [40 CFR 63.11087(a)]	None.	None.	Submit a report: As per the approved schedule. After installing an internal floating roof, include in a semi-annual report to the Administrator a report that describes the control equipment and certifies that the control equipment meets the specifications of 40 CFR 60.112b(a)(1) and 40 CFR 60.113b(a)(1). [40 CFR 63.11087(d) &(e)] and. [40 CFR 63.11093(b)]
60	The internal floating roof shall rest or float on the liquid surface (but not necessarily in complete contact with it) inside a storage vessel that has a fixed roof. The internal floating roof shall be floating on the liquid surface at all times, except during initial fill and during those intervals when the storage vessel is completely emptied or subsequently emptied and refilled. When the roof is resting on the leg supports, the process of filling, emptying, or refilling shall be continuous and shall be accomplished as rapidly as possible. [40 CFR 60.112b(a)(1)(i)] and [40 CFR 63.11087(a)]	None.	None.	None.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
61	The internal floating roof shall be equipped with: (A) a foam- or liquid-filled seal mounted in contact with the liquid (liquid-mounted seal). A liquid-mounted seal means a foam- or liquid-filled seal mounted in contact with the liquid between the wall of the storage vessel and the floating roof continuously around the circumference of the tank; or (C) a mechanical shoe seal. A mechanical shoe seal is a metal sheet held vertically against the wall of the storage vessel by springs or weighted levers and is connected by braces to the floating roof. A flexible coated fabric (envelope) spans the annular space between the metal sheet and the floating roof. [40 CFR 60.112b(a)(1)(ii)(A) and (C)] and [40 CFR 63.11087(a)]	None.	None.	None.
62	Each opening in a noncontact internal floating roof except for automatic bleeder vents (vacuum breaker vents) and the rim space vents is to provide a projection below the liquid surface. [40 CFR 60.112b(a)(1)(iii)] and [40 CFR 63.11087(a)]	None.	None.	None.
63	The permittee must comply with the requirements of 40 CFR 63 Subpart BBBBBB by the applicable dates specified in 40 CFR 63.11083, except that storage vessels equipped with floating roofs and not meeting the requirements of paragraph (a) of Section 40 CFR 63.11087 must be in compliance at the first degassing and cleaning activity after January 10, 2011 or by January 10, 2018, whichever is first. [40 CFR 63.11087(b)]	None.	None.	None.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
64	If the gasoline storage tank is subject to, and complies with, the control requirements of 40 CFR part 60, subpart Kb, the storage tank will be deemed in compliance with Section 40 CFR 63.11087. [40 CFR 63.11087(f)]	None.	None.	Submit notification: As per the approved schedule as specified in 40 CFR 63.9(h). The Notification of Compliance Status must specify which of the compliance options included in Table 1 to 40 CFR 63 Subpart BBBBBB is used to comply with 40 CFR 63 Subpart BBBBBB. [40 CFR 63.11093(b)]
65	The permittee shall perform a monthly leak inspection of all equipment in gasoline service. [40 CFR 63.11089(a)]	Other: the permittee may use sight, sound, and smell to conduct the inspection.[40 CFR 63.11089(a)].	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The permittee shall record in the log book for each leak that is detected: (1) The equipment type and identification number. (2) The nature of the leak (i.e., vapor or liquid) and the method of detection (i.e., sight, sound, or smell). (3) The date the leak was detected and the date of each attempt to repair the leak. (4) Repair methods applied in each attempt to repair the leak. (5) "Repair delayed" and the reason for the delay if the leak is not repaired within 15 calendar days after discovery of the leak. (6) The expected date of successful repair of the leak if the leak is not repaired within 15 days. (7) The date of successful repair of the leak. . [40 CFR 63.11094(e)]	Repair equipment: Upon occurrence of event when a leak is detected, an initial attempt at repair shall be made as soon as practicable, but no later than 5 calendar days after the leak is detected. Repair or replacement of leaking equipment shall be completed within 15 calendar days after detection of each leak, except as provided in paragraph (d) of Section 40 CFR 63.11089. . [40 CFR 63.11089(c)]
66	A log book shall be used and shall be signed by the permittee at the completion of each inspection. A section of the log book shall contain a list, summary description, or diagram(s) showing the location of all equipment in gasoline service at the facility. [40 CFR 63.11089(b)]	None.	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The permittee shall prepare and maintain a record describing the types, identification numbers, and locations of all equipment in gasoline service. For facilities electing to implement an instrument program under 40 CFR 63.11089, the record shall contain a full description of the program. . [40 CFR 63.11094(d)]	None.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
67	The permittee shall visually inspect the internal floating roof, the primary seal, and the secondary seal (if one is in service), prior to filling the storage vessel with VOL. If there are holes, tears, or other openings in the primary seal, the secondary seal, or the seal fabric or defects in the internal floating roof, or both, the permittee shall repair the items before filling the storage vessel. [40 CFR 60.113b(a)(1)], [40 CFR 63.11087(c)], and [40 CFR 63.11092(e)(1)]	None.	Other: Keep a record of each inspection performed as required by 40 CFR 60.113b (a)(1), (a)(2), (a)(3), and (a)(4) for at least five years. Each record shall identify the storage vessel on which the inspection was performed and shall contain the date the vessel was inspected and the observed condition of each component of the control equipment (seals, internal floating roof, and fittings). [40 CFR 60.115b(a)(2)], [40 CFR 63.11087(e)], and[40 CFR 63.11094(a)].	Submit a report: As per the approved schedule. If any of the conditions described in 40 CFR 60.113b(a)(2) are detected during the annual visual inspection required by 40 CFR 60.113b(a)(2), a report shall be submitted to the Administrator. Each report shall identify the storage vessel, the nature of the defects, and the date the storage vessel was emptied or the nature of and date the repair was made. [40 CFR 60.115b(a)(3)], [40 CFR 63.11087(e)], and. [40 CFR 63.11095(a)(1)]
68	For Vessels equipped with a liquid-mounted or mechanical shoe primary seal, visually inspect the internal floating roof and the primary seal or the secondary seal (if one is in service) through manholes and roof hatches on the fixed roof at least once every 12 months after initial fill. If the internal floating roof is not resting on the surface of the VOL inside the storage vessel, or there is liquid accumulated on the roof, or the seal is detached, or there are holes or tears in the seal fabric, the owner or operator shall repair the items or empty and remove the storage vessel from service within 45 days. If a failure that is detected during inspections required in this paragraph cannot be repaired within 45 days and if the vessel cannot be emptied within 45 days, a 30-day extension may be requested from the Administrator in the inspection report required in 40 CFR 60.115b(a)(3). Such a request for an extension must document that alternate storage capacity is unavailable and specify a schedule of actions the company will take that will assure that the control equipment will be repaired or the vessel will be emptied as soon as possible. [40 CFR 60.113b(a)(2)], [40 CFR 63.11087(c)], and [40 CFR 63.11092(e)(1)]	None.	Other: Keep a record of each inspection performed as required by 40 CFR 60.113b (a)(1), (a)(2), (a)(3), and (a)(4) for at least five years. Each record shall identify the storage vessel on which the inspection was performed and shall contain the date the vessel was inspected and the observed condition of each component of the control equipment (seals, internal floating roof, and fittings). [40 CFR 60.115b(a)(2)], [40 CFR 63.11087(e)], and[40 CFR 63.11094(a)].	Submit a report: As per the approved schedule. If any of the conditions described in 40 CFR 60.113b(a)(2) are detected during the annual visual inspection required by 40 CFR 60.113b(a)(2), a report shall be submitted to the Administrator. Each report shall identify the storage vessel, the nature of the defects, and the date the storage vessel was emptied or the nature of and date the repair was made. [40 CFR 60.115b(a)(3)], [40 CFR 63.11087(e)], and. [40 CFR 63.11095(a)(1)]

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
69	Visually inspect the internal floating roof, the primary seal, the secondary seal (if one is in service), gaskets, slotted membranes and sleeve seals (if any) each time the storage vessel is emptied and degassed. If the internal floating roof has defects, the primary seal has holes, tears, or other openings in the seal or the seal fabric, or the secondary seal has holes, tears, or other openings in the seal or the seal fabric, or the gaskets no longer close off the liquid surfaces from the atmosphere, or the slotted membrane has more than 10 percent open area, the owner or operator shall repair the items as necessary so that none of the conditions specified in this paragraph exist before refilling the storage vessel with VOL. In no event shall inspections conducted in accordance with this provision occur at intervals greater than 10 years in the case of vessels conducting the annual visual inspection as specified in 40 CFR 60.113b (a)(2) and (a)(3)(ii) and at intervals no greater than 5 years in the case of vessels specified in 40 CFR 60.113b (a)(3)(i). [40 CFR 60.113b(a)(4)], [40 CFR 63.11087(c)], and [40 CFR 63.11092(e)(1)]	None.	Other: Keep a record of each inspection performed as required by 40 CFR 60.113b (a)(1), (a)(2), (a)(3), and (a)(4) for at least five years. Each record shall identify the storage vessel on which the inspection was performed and shall contain the date the vessel was inspected and the observed condition of each component of the control equipment (seals, internal floating roof, and fittings). [40 CFR 60.115b(a)(2)], [40 CFR 63.11087(e)], and[40 CFR 63.11094(a)].	None.
70	The permittee shall submit an excess emissions report to the Administrator at the time the semiannual compliance report is submitted. Excess emissions events under 40 CFR 63 Subpart BBBBBB, and the information to be included in the excess emissions report are specified in paragraphs (b)(1) through (b)(5) of Section 40 CFR 63.11095. [40 CFR 63.11095(b)]	None.	None.	Submit an Excess Emissions and Monitoring Systems Performance Report (EEMPR): As per the approved schedule at the time the semiannual report is submitted. [40 CFR 63.11095(b)]

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Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
71	The permittee shall submit a semiannual report including the number, duration, and a brief description of each type of malfunction which occurred during the reporting period and which caused or may have caused any applicable emission limitation to be exceeded. The report must also include a description of actions taken by the permittee during a malfunction of an affected source to minimize emissions in accordance with 40 CFR 63.11085(a), including actions taken to correct a malfunction. The report may be submitted as a part of the semiannual compliance report, if one is required. [40 CFR 63.11095(d)]	None.	None.	Submit a report: Upon occurrence of event. [40 CFR 63.11095(d)]
72	The permittee shall comply with the applicable General Provsions of 40 CFR 63 Subpart A according to Table 3 to 40 CFR 63 Subpart BBBBBB. [40 CFR 63.11098]	None.	None.	None.

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Facility Specific Requirements

Emission Unit: **U2 Eight Fixed Roof Tanks #225, 226, 231, 232, 233, 234, 235, and 249 w/ VP < 0.02 psia.**

Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	VOC (Total) <= 27.5 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
2	Total Throughput <= 1,486 MMgal/yr. [N.J.A.C. 7:27-22.16(e)]	Other: Monitored by tank gauging each time the tank contents are transferred.[N.J.A.C. 7:27-22.16(o)].	Total Throughput: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. The permittee shall maintain records of total throughput during each calendar month and during each consecutive 12-month period. [N.J.A.C. 7:27-22.16(o)]	None.
3	Storage tank contents is limited to Fuel Oil #2 or any petroleum hydrocarbon liquid that is not a HAP as defined at 40 CFR 63.1(a)(2), with a Vapor Pressure < 0.02 psia @ 70 degrees F. [N.J.A.C. 7:27-22.16(e)]	None.	Vapor Pressure: Recordkeeping by manual logging of parameter or storing data in a computer data system per change of material. The permittee shall maintain records that specify each material stored and the vapor pressure of the material stored at standard conditions. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U3 12 Fixed Roof Tanks #215, 216, 241- 248, 251, and 297 w/VP < 0.02 psia.**

Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Storage tank Content is limited to any petroleum hydrocarbon liquids that is not a HAP as defined at 40 CFR 63.1(a)(2) with a Vapor Pressure < 0.02 psia @ 70 degrees F. [N.J.A.C. 7:27-22.16(e)]	None.	Vapor Pressure: Recordkeeping by manual logging of parameter or storing data in a computer data system per change of material. The permittee shall maintain records that specify each material stored and the vapor pressure of each material stored at standard conditions. [N.J.A.C. 7:27-22.16(o)]	None.
2	VOC (Total) <= 34.4 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	Total Throughput <= 1,473 MMgal/yr. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by tank gauging each time the tank contents are transferred.[N.J.A.C. 7:27-22.16(o)].	Total Throughput: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. The permittee shall maintain records of total throughput during each calendar month and during each consecutive 12-month period. [N.J.A.C. 7:27-22.16(o)]	None.

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Facility Specific Requirements

Emission Unit: **U4 Marine and Truck Loading Operations**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Summary of Applicable Federal Regulations: 40 CFR 60 Subpart A 40 CFR 60 Subpart XX 40 CFR 63 Subpart A 40 CFR 63 Subpart BBBBBB [None]	None.	None.	None.
2	The owner or operator shall develop a QA/QC plan for each CEMS/COMS required by this permit prepared in accordance with the NJDEP Technical Manual 1005 posted on the AQPP webpage at http://www.state.nj.us/dep/aqpp. [N.J.A.C. 7:27-22.16(a)]	Other: The QA/QC coordinator shall be responsible for reviewing the QA/QC plan on an annual basis. [N.J.A.C. 7:27-22.16(o)].	Other: Maintain readily accessible records of the QA/QC plan including QA date and quarterly reports. [N.J.A.C. 7:27-22.16(o)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
3	STACK TESTING SUMMARY The permittee shall conduct a stack test using a protocol approved by the Department to demonstrate compliance with emission limits for CO and VOC as specified in the compliance plan for OS5. Testing must be conducted at worst-case permitted operating conditions with regard to meeting the applicable emission standards, but without creating an unsafe condition. THIS STACK TEST IS SUBJECT TO THE SIGNIFICANT MODIFICATION SUPPLEMENTAL FEES PURSUANT TO N.J.A.C. 7:27-22.31. [N.J.A.C. 7:27-22.16(a)]	None.	None.	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. Submit a stack test protocol to the Emission Measurement Section (EMS) at Mail Code: 380-01A, PO Box 420, Trenton, NJ 08625 within 60 days from the date of the approved operating permit BOP140002. The protocol and test report must be prepared and submitted on a CD using the Electronic Reporting Tool (ERT), unless another format is approved by EMS. The ERT program can be downloaded at: http://www.epa.gov/ttnchie1/ert. Within 30 days of protocol approval, the permittee must contact EMS at 609-530-4041 to schedule a mutually acceptable test date. The stack test must be conducted within 30 days of operation on-site or within 60 days of the protocol approval, whichever is later. A stack test conducted within the past five years, for the specific portable VCU being used, will meet this testing requirement. A full stack test report must be submitted to EMS and a certified summary test report must be submitted to the Regional Enforcement Office within 45 days after performing the stack test pursuant to N.J.A.C. 7:27-22.19(d). The test results must be certified by a licensed professional engineer or certified industrial hygienist. [N.J.A.C. 7:27-22.18(e)] and. [N.J.A.C. 7:27-22.18(h)]
4	Opacity: No visible emissions exclusive of visible condensed water vapor except for three minutes period in any consecutive 30-minute period. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
5	VOC (Total) <= 25.4 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	CO <= 15.7 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

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Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
7	NOx (Total) <= 6.9 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	PM-10 (Total) <= 0.43 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	SO2 <= 0.21 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
10	TSP <= 0.43 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
11	Total Material Transferred <= 399 MMgal/yr of gasoline plus applicable VOC's with a vapor pressure less than or equal to 13.0 psia at actual temperature at or near the liquid surface (total for OS1, OS3, and OS5). [N.J.A.C. 7:27-22.16(a)]	Total Material Transferred: Monitored by material feed/flow monitoring continuously or by tank gauging for each loading event. [N.J.A.C. 7:27-22.16(o)]	Total Material Transferred: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. The permittee shall record the total amount of material loaded during each calendar month and during each consecutive 12-month period. [N.J.A.C. 7:27-16.3(s)1] and. [N.J.A.C. 7:27-22.16(o)]	None.
12	Total Material Transferred <= 1,436 MMgal/yr of petroleum hydrocarbon products having a maximum vapor pressure of < 0.02 psia at standard conditions (total for OS2 and OS4). [N.J.A.C. 7:27-22.16(a)]	Total Material Transferred: Monitored by material feed/flow monitoring continuously or by tank gauging for each loading event. [N.J.A.C. 7:27-22.16(o)]	Total Material Transferred: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. The permittee shall record the total amount of material loaded during each calendar month and during each consecutive 12-month period. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U4 Marine and Truck Loading Operations**

Operating Scenario: **OS1 Marine Loading of Gasoline and Other Applicable VOCs that are not HAPs, with VP <= 13.0 psia at actual temperature at or near the liquid surface.**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	VOC Control Efficiency >= 95 % by weight. [N.J.A.C. 7:27-16.5(b)]	None.	None.	None.
2	The permittee shall control the VOC emissions resulting from ballasting using a control device pursuant to N.J.A.C. 7:27-16.5(b) or 16.5(c).[N.J.A.C. 7:27-16.5(d)1]	None.	None.	None.
3	The permittee shall only conduct ballasting in dedicated ballast tanks which use only water.[N.J.A.C. 7:27-16.5(e)1]	None.	None.	None.
4	The permittee shall operate the control apparatus during all periods of conducting ballasting.[N.J.A.C. 7:27-16.5(e)2]	None.	None.	None.
5	The permittee shall not transfer any gasoline, applicable VOC or ballasting if the delivery vessel being loaded, any control apparatus, or other equipment serving the transfer has a leak which results in a concentration of VOC greater than or equal to 100% of the LEL of propane when measured at a distance of 1 inch (1") or less from the source or has a liquid leak(s) of applicable VOC. [N.J.A.C. 7:27-16.5(f)1]	Other: The permittee shall inspect the transfer marine tank vessel, delivery vessel and control apparatus for leak(s) prior to transfer. or Visual determination of any leak(s) from a delivery vessel shall be conducted during each loading cycle.[N.J.A.C. 7:27-16.5(f)1i].	Other: Record gaseous leaks, if any, of emitted VOC as detected by EPA method 21.[N.J.A.C. 7:27-16.5(g)].	None.
6	The permittee shall not transfer any gasoline, applicable VOC or ballasting if any component of the marine tank vessel or any control apparatus serving the source operation is not installed and operating as designed. [N.J.A.C. 7:27-16.5(f)2]	None.	None.	None.
7	The permittee shall not transfer any gasoline, applicable VOC or ballasting if the transfer results or would result in a liquid VOC spill (s). [N.J.A.C. 7:27-16.5(f)3]	Other: The permittee shall conduct a visual inspection of the transfer marine tank vessel, delivery vessel and control apparatus prior to beginning transfer.[N.J.A.C. 7:27-16.5(f)3].	Other: Record liquid leaks, if any, of emitted VOC per each occurence.[N.J.A.C. 7:27-22.16(o)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
8	For each transfer of gasoline or other applicable VOC to the marine tank vessel and for the performance of ballasting on a marine tank vessel at the marine terminal, the permittee shall keep records for five (5) years. [N.J.A.C. 7:27-16.5(j)]	None.	Other: The records shall include the following information: 1. The company name and address of the marine termianl; 2. The date; 3. The name and registry of the marine tank vessel; 4. For any transfer operation, the type of VOC and the quantity, in gallons or liters, loaded into the marine tank vessel;; 5. The prior cargo carried by the marine tank vessel and the condition (that is cleaned, crude oil washed, gas freed, etc.) of the cargo tanks on the marine tank vessel prior to their being loaded or ballasted; and 6. For ballasting, the amount of ballast water or other liquid added to ballast tanks which are unsegregated and which may contain VOC vapor. Record in a logbook, or file folders/binders readily available computer files. Records shall be maintained for 5 years.[N.J.A.C. 7:27-16.5(j)].	None.
9	VOC (Total) <= 10 mg/liter of liquid loaded. [N.J.A.C. 7:27-22.16(a)]	VOC (Total): Monitored by continuous emission monitoring system continuously, based on 1 minute intervals utilized to calculate 60-minute block averages. Maximum THC concentration shall not exceed 6200 ppmv measured as propane based on a 6-hour rolling average based on 60-minute period of continuous/non-continuous operation. Only data collected during loading operation, when the VRU must operate, shall be included in the average for compliance purposes. [N.J.A.C. 7:27-22.16(o)]	VOC (Total): Recordkeeping by data acquisition system (DAS) / electronic data storage continuously. THC emissions shall be recorded for each 6-hour rolling block period, based on 60-minute period. [N.J.A.C. 7:27-22.16(o)]	Submit an Excess Emissions and Monitoring Systems Performance Report (EEMPR): On or before every April 30, July 30, October 30, and January 30 for the preceding calendar quarter (the calendar quarters begin on January 1, April 1, July 1, and October 1) electronically through the NJDEP online EEMPR web portal starting with the quarter in which the Performance Specification Test was conducted, for review and approval. Quarterly EEMPR reports shall include all quarterly and annual QA data. This report shall be submitted whether or not an emission exceedance has occurred. See CEMS and QA/QC requirements in OS Summary. [N.J.A.C. 7:27-22.19(d)]

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
10	VOC (Total) <= 28 lb/hr . [N.J.A.C. 7:27-22.16(e)]	VOC (Total): Monitored by continuous emission monitoring system continuously. [N.J.A.C. 7:27-22.16(o)]	VOC (Total): Recordkeeping by data acquisition system (DAS) / electronic data storage continuously. [N.J.A.C. 7:27-22.16(o)]	Submit an Excess Emissions and Monitoring Systems Performance Report (EEMPR): On or before every April 30, July 30, October 30, and January 30 for the preceding calendar quarter (the calendar quarters begin on January 1, April 1, July 1, and October 1) electronically through the NJDEP online EEMPR web portal starting with the quarter in which the Performance Specification Test was conducted, for review and approval. Quarterly EEMPR reports shall include all quarterly and annual QA data. This report shall be submitted whether or not an emission exceedance has occurred. See CEMS and QA/QC requirements in OS Summary. [N.J.A.C. 7:27-22.19(d)]
11	Spent carbon shall be disposed in accordance with all State and Federal regulations. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
12	Total Material Transferred <= 336,000 gal/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
13	Marine loading is limited to non-HAP VOC with a Vapor Pressure <= 13 psia @ 70 degrees F. [N.J.A.C. 7:27-22.16(a)]	None.	Vapor Pressure: Recordkeeping by manual logging of parameter or storing data in a computer data system per change of material. The permittee shall maintain records of each VOC loaded and the vapor pressure of each VOC at standard conditions. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U4 Marine and Truck Loading Operations**

Operating Scenario: **OS2 Marine Loading Operations - Non-Applicable VOCs**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	This operating scenario shall be limited to non-HAP liquid VOC products with a Vapor Pressure < 0.02 psia @ 70 degrees F. [N.J.A.C. 7:27-22.16(a)]	None.	Vapor Pressure: Recordkeeping by manual logging of parameter or storing data in a computer data system per change of material. The permittee shall maintain records specifying each VOC transfered and its vapor pressure at standard conditions. [N.J.A.C. 7:27-22.16(o)]	None.
2	VOC (Total) <= 2.78 lb/hr . [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	Total Material Transferred <= 252,000 gal/hr . [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

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Facility Specific Requirements

Emission Unit: **U4 Marine and Truck Loading Operations**

Operating Scenario: **OS3 Truck Loading of Gasoline and Other Applicable VOCs that are not HAPs, with VP <= 13.0 psia using MVRU as Control Device.**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	VOC (Total) <= 12 lb/hr. [N.J.A.C. 7:27-22.16(a)]	VOC (Total): Monitored by continuous emission monitoring system continuously. [N.J.A.C. 7:27-22.16(o)]	VOC (Total): Recordkeeping by data acquisition system (DAS) / electronic data storage continuously. [N.J.A.C. 7:27-22.16(o)]	Submit an Excess Emissions and Monitoring Systems Performance Report (EEMPR): On or before every April 30, July 30, October 30, and January 30 for the preceding calendar quarter (the calendar quarters begin on January 1, April 1, July 1, and October 1) electronically through the NJDEP online EEMPR web portal starting with the quarter in which the Performance Specification Test was conducted, for review and approval. Quarterly EEMPR reports shall include all quarterly and annual QA data. This report shall be submitted whether or not an emission exceedance has occurred. See CEMS and QA/QC requirements in OS Summary. [N.J.A.C. 7:27-22.19(d)]
2	The transfer of gasoline shall be made through a submerged fill pipe. [N.J.A.C. 7:27-16.3(c)1i]	None.	None.	None.
3	VOC Control Efficiency >= 90 %. [N.J.A.C. 7:27-16.3(n)2ii]	None.	None.	None.

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Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
4	The permittee shall not transfer gasoline, if: 1.The delivery vessel being loaded or unloaded, or the vapor control system or other equipment serving the transfer operation, has: i. A vapor leak which results in a concentration of applicable VOC greater than or equal to 100 percent of the lower explosive limit of propane, when measured at a distance of 1.0 inch (2.54 centimeters) or less from the location of the leak; or ii. A liquid leak; 2. Any component of the delivery vessel designed for preventing the release of gasoline vapors is not installed and operating as designed; or 3. Commencing or continuing the transfer would result in a liquid gasoline spill. [N.J.A.C. 7:27-16.3(o)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
5	The permittee shall not transfer gasoline at a gasoline loading facility, into or from a delivery vessel, which is required to have a vapor control system pursuant to N.J.A.C. 7:27-16.3(n) unless: 1. The vapor control system is designed to meet the applicable requirements in N.J.A.C. 7:27-16.3(n); 2. All hoses, piping, connections, fittings and manholes serving the vapor control system are vapor-tight and free of liquid leaks, except when gauging or sampling is being performed; 3. The vapor control system, including any component thereof, is maintained in proper operating condition and kept free of defects that could impair the effectiveness of the system; 4. The vapor control system is constructed out of materials that will not become degraded when exposed to any grade of gasoline which may be stored, transferred, and/or dispensed; and 5. The vapor control system is operated properly whenever gasoline is stored, transferred, and/or dispensed. [N.J.A.C. 7:27-16.3(q)]	None.	None.	None.
6	On a daily basis,the permittee shall record the total quantity of gasoline, in gallons or liters, loaded into delivery vessels at the facility. [N.J.A.C. 7:27-16.3(t)]	None.	None.	None.

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Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
7	VOC (Total) <= 10 mg/liter of liquid loaded. [N.J.A.C. 7:27-22.16(a)]	VOC (Total): Monitored by continuous emission monitoring system continuously. [N.J.A.C. 7:27-22.16(o)]	VOC (Total): Recordkeeping by data acquisition system (DAS) / electronic data storage continuously. [N.J.A.C. 7:27-22.16(o)]	Submit an Excess Emissions and Monitoring Systems Performance Report (EEMPR): On or before every April 30, July 30, October 30, and January 30 for the preceding calendar quarter (the calendar quarters begin on January 1, April 1, July 1, and October 1) electronically through the NJDEP online EEMPR web portal starting with the quarter in which the Performance Specification Test was conducted, for review and approval. Quarterly EEMPR reports shall include all quarterly and annual QA data. This report shall be submitted whether or not an emission exceedance has occurred. See CEMS and QA/QC requirements in OS Summary. [N.J.A.C. 7:27-22.19(d)]
8	Spent carbon shall be disposed in accordance with all State and Federal regulations. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	Total Material Transferred <= 144,000 gal/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
10	All requests, reports, applications, submittal, and other communications required by 40 CFR 60 shall be submitted in duplicate to the EPA Region II Administrator. [40 CFR 60.4(a)]	None.	None.	None.
11	Submit copy of all requests, reports, applications, submittals, and other communications required by 40 CFR 60 to the NJDEP Central Regional Office Enforcement Office. [40 CFR 60.4(b)]	None.	None.	None.

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Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
12	Furnish a notification of any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies, unless that change is specifically exempted under an applicable subpart or in 40 CFR 60.14(e). This notice shall be postmarked 60 days or as soon as practicable before the change is commenced and shall include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The Administrator may request additional relevant information subsequent to this notice. [40 CFR 60.7(a)(4)]	None.	None.	Submit notification: Prior to occurrence of event (60 days or as soon as practicable before change is commemced). [40 CFR 60.a(4)]
13	Maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative. [40 CFR 60.7(b)]	None.	Other: Recordkeeping by manual or electronic logging upon occurrence of event.[40 CFR 60.7(b)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
14	Each owner or operator required to install a continuous monitoring device shall submit an excess emissions and monitoring systems performance report (excess emissions are defined in applicable subparts) and/or a summary report form (see Section 40 CFR 60.7(d)) to the Administrator semiannually, except when: more frequent reporting is specifically required by an applicable subpart; or the Administrator, on a case-by-case basis, determines that more frequent reporting is necessary to accurately assess the compliance status of the source. All reports shall be postmarked by the 30th day following the end of each six-month period. [40 CFR 60.7(c)]	None.	Other: Written reports of excess emissions shall include the following information: (1) The magnitude of excess emissions computed in accordance with section 60.13(h), any conversion factor(s) used, and the date and time of commencement and completion of each time period and excess emissions. The process operating time during the reporting period. (2) Specific identification of each period of excess emissions that occurs during startups, shutdowns, and malfunctions of the affected facility. The nature and cause of any malfunction (if known), the corrective action taken or preventative measures adopted. (3) The date and time identifying each period during which the continuous monitoring system was inoperative except for zero and span checks and the nature of the system repairs or adjustments. (4) When no excess emissions have occurred or the continuous monitoring system(s) have not been inoperative, repaired, or adjusted, such information shall be stated in the report.[40 CFR 60.7(c)].	Submit an Excess Emissions and Monitoring Systems Performance Report (EEMPR): Semi-annually beginning on the 30th day of the 6th month following initial performance tests. The report shall be postmarked by the 30th day following the end of each six-month period. The report shall be submitted to the EPA Region II Administrator and the appropriate Regional Enforcement Office of NJDEP and be in the format specified at 40 CFR Part 60.7(c) and 40 CFR Part 60.7(d). [40 CFR 60.7(c)]
15	Maintain and operate any affected facility in a manner consistent with good air pollution control practices. [40 CFR 60.11(d)]	None.	None.	None.
16	No owner or operator shall build, erect, install, or use any article, machine, equipment or process, the use of which conceals an emission which would otherwise constitute a violation of an applicable standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard which is based on the concentration of a pollutant in the gases discharged to the atmosphere. [40 CFR 60.12]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
17	Owners and operators of all continuous emission monitoring systems shall check the zero and span calibration drifts at least once daily in accordance with written procedures. [40 CFR 60.13(d)]	None.	Recordkeeping by manual logging of parameter or storing data in a computer data system daily. [40 CFR 60.13(d)]	None.
18	All continuous monitoring systems shall be in continuous operation and shall complete a minimum of one cycle of operation (sampling, analyzing, and data recording) for each successive 15-minute period, except for system breakdowns, repairs, calibration checks, and zero and span adjustments required under 40 CFR 60.13(d) of this section. [40 CFR 60.13(e)]	None.	None.	None.
19	Continuous monitoring systems or monitoring devices shall be installed so that representative measurements of emissions or process parameters are obtained. [40 CFR 60.13(f)]	None.	None.	None.
20	The permittee shall reduce all data to 6-minute averages and for continuous monitoring systems other than opacity to 1-hour averages for time periods as defined in 40 CFR 60.2. Six-minute opacity averages shall be calculated from 36 or more data points equally spaced over each 6-minute period. [40 CFR 60.13(h)(1)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
21	For continuous monitoring systems other than opacity, 1-hour averages shall be computed as follows, except that the provisions pertaining to the validation of partial operating hours are only applicable for affected facilities that are required by the applicable subpart to include partial hours in the emission calculations: (i) Except as provided under paragraph (h)(2)(iii) of 40 CFR 60.13, for a full operating hour (any clock hour with 60 minutes of unit operation), at least four valid data points are required to calculate the hourly average, i.e., one data point in each of the 15-minute quadrants of the hour. (ii) Except as provided under paragraph (h)(2)(iii) of 40 CFR 60.13, for a partial operating hour (any clock hour with less than 60 minutes of unit operation), at least one valid data point in each 15-minute quadrant of the hour in which the unit operates is required to calculate the hourly average. (iii) For any operating hour in which required maintenance or quality-assurance activities are performed: (A) If the unit operates in two or more quadrants of the hour, a minimum of two valid data points, separated by at least 15 minutes, is required to calculate the hourly average; or (B) If the unit operates in only one quadrant of the hour, at least one valid data point is required to calculate the hourly average. [40 CFR 60.13(h)(2)(i)] through [40 CFR 60.13(h)(2)(iii)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
22	(iv) If a daily calibration error check is failed during any operating hour, all data for that hour shall be invalidated, unless a subsequent calibration error test is passed in the same hour and the requirements of paragraph (h)(2)(iii) of 40 CFR 60l.13 are met, based solely on valid data recorded after the successful calibration. (v) For each full or partial operating hour, all valid data points shall be used to calculate the hourly average. (vi) Except as provided under paragraph (h)(2)(vii) of 40 CFR 60.13, data recorded during periods of continuous monitoring system breakdown, repair, calibration checks, and zero and span adjustments shall not be included in the data averages computed under this paragraph. (vii) Owners and operators complying with the requirements of 40 CFR 60.7(f)(1) or (2) must include any data recorded during periods of monitor breakdown or malfunction in the data averages. (viii) When specified in an applicable subpart, hourly averages for certain partial operating hours shall not be computed or included in the emission averages (e.g., hours with 30 minutes of unit operation under 40 CFR 60.47b(d)). (ix) Either arithmetic or integrated averaging of all data may be used to calculate the hourly averages. The data may be recorded in reduced or nonreduced form (e.g., ppm pollutant and percent O2 or ng/J of pollutant). [40 CFR 60.13(h)(iv) through [40 CFR 60.13(h)(2)(ix)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
23	All excess emissions shall be converted into units of the standard using the applicable conversion procedures specified in the applicable subpart. After conversion into units of the standard, the data may be rounded to the same number of significant digits used in the applicable subpart to specify the emission limit. [40 CFR 60.13(h)(3)]	None.	None.	None.
24	The affected facility shall be equipped with a vapor collection system designed to collect the total organic compounds vapors displaced from tank trucks during loading. [40 CFR 60.502(a)]	None.	None.	None.
25	Each vapor control system shall be designed to prevent any total organic compounds vapors collected at one loading rack from passing to another loading rack. [40 CFR 60.502(d)]	None.	None.	None.
26	Loadings of liquid product into gasoline tank trucks shall be limited to vapor-tight gasoline tank trucks. [40 CFR 60.502(e)]	None.	None.	None.
27	The owner or operator shall obtain vapor tightness documentation for each gasoline tank truck which is to be loaded at the affected facility. [40 CFR 60.502(e)(1)]	None.	Other: The owner or operator shall maintain a documentation file for each gasoline tank truck to reflect the current Method 27 test results. This file shall include the following information specified at 40 CFR Parts 60.505(b). Records shall be kept on file at the terminal in a permanent form available for inspection.[40 CFR 60.505(a)].	None.
28	The owner or operator shall require the tank identification number to be recorded. [40 CFR 60.502(e)(2)]	None.	Other: Records shall be made as each gasoline truck is loaded at the affected facility.[40 CFR 60.505(e)(2)].	None.
29	The permittee shall cross-check each tank identification number obtained pursuant to 40 CFR Part 60.505(e)(2) with the file of vapor tightness documentation within two (2) weeks after the corresponding tank is loaded. [40 CFR 60.502(e)(3)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
30	The terminal owner or operator shall notify the owner or operator of each non-vapor tight gasoline tank truck loaded at the facility within one (1) week after the corresponding tank is loaded. [40 CFR 60.502(e)(4)]	None.	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The owner or operator shall keep documentation of each notification on file at the terminal for at least 2 years. [40 CFR 60.505(d)]	None.
31	The owner or operator of the terminal shall take steps to ensure that any non-vapor tight gasoline tank truck will not be reloaded at the affected facility until vapor tightness documentation for that tank truck is obtained. [40 CFR 60.502(e)(5)]	None.	None.	None.
32	The permittee shall act to assure that loadings of gasoline tank trucks at the facility are made only into tanks equipped with vapor collection equipment that is compatible with the terminal's vapor collection system. [40 CFR 60.502(f)]	None.	None.	None.
33	The permittee shall act to assure that the terminal's and tank truck's vapor collection system are connected during each loading of a gasoline tank truck at the facility. [40 CFR 60.502(g)]	None.	None.	None.
34	Gauge Pressure in the Delivery Tank <= 4,500 pascals during product loading. [40 CFR 60.502(h)]	Other: A pressure measurement device (liquid manometer, magnehelic gauge, or equivalent instrument), capable of measuring up to 500 mm of water gauge pressure with ±2.5 mm of water precision, shall be calibrated and installed on the terminal's vapor collection system at a pressure tap located as close as possible to the connection with the gasoline tank truck.[40 CFR 60.503(d)(1)].	Gauge Pressure in the Delivery Tank: Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. During the performance test, the pressure shall be recorded every 5 minutes while a gasoline truck is being loaded; the highest instantaneous pressure that occurs during each loading shall also be recorded. Every loading position must be tested at least once during the performance test. [40 CFR 60.503(d)(2)]	None.
35	Pressure-vacuum vents in the bulk gasoline terminal's vapor collection system shall begin open only if System Pressure >= 4,500 pascals. [40 CFR 60.502(i)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
36	The permittee shall inspect the vapor collection system, the vapor processing system, and loading rack handling gasoline for total organic compounds liquid or vapor leaks during the loading of gasoline tank trucks. [40 CFR 60.502(j)]	Monitored by periodic leak detection monitoring each month during operation. Detection methods incorporating sight, sound, or smell are acceptable. [40 CFR 60.502(j)]	Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. The permittee shall record the results of each leak detection inspection and include in the record all information specified at 40 CFR Part 60.505(c). Records shall be kept on file at the terminal for at least 2 years. [40 CFR 60.505(c)]	Repair equipment: Within 15 calendar days from detection. The owner or operator shall repair the source of any detected leak. [40 CFR 60.502(j)]
37	The permittee shall keep records of all replacements or additions of components performed on an existing vapor processing system. [40 CFR 60.505(f)]	None.	Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. Records shall be maintained on-site for at least 3 years. [40 CFR 60.505(f)]	None.
38	The permittee shall: (a) Equip the loading rack(s) with a vapor collection system designed to collect the TOC vapors displaced from cargo tanks during product loading; and (b) Reduce emissions of TOC to less than or equal to 80 mg/l of gasoline loaded into gasoline cargo tanks at the loading rack; and (c) Design and operate the vapor collection system to prevent any TOC vapors collected at one loading rack or lane from passing through another loading rack or lane to the atmosphere; and (d) Limit the loading of gasoline into gasoline cargo tanks that are vapor tight per 40 CFR 60.502. [40 CFR 63.11088(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
39	The permittee shall conduct a performance test on the vapor processing and collection systems according to either paragraph (a)(1)(i) or paragraph (a)(1)(ii) of Section 40 CFR 63.11092. (i) Use the test methods and procedures in 40 CFR 60.503 of Chapter I, except a reading of 500 parts per million shall be used to determine the level of leaks to be repaired under 40 CFR 60.503(b) of Chapter I. (ii) Use alternative test methods and procedures in accordance with the alternative test method requirements in 40 CFR 63.7(f). [40 CFR 63.11092(a)(1)]	None.	None.	None.
40	The permittee may submit a statement by a responsible official certifying that the gasoline loading rack is in compliance with the emission limit of 10 mg per liter of gasoline loaded in lieu of the test required under 40 CFR 63.11092(a)(1). [40 CFR 63.11092(a)(2)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
41	If the permittee conducted performance testing on the vapor processing and collection systems within 5 years prior to January 10, 2008, and the test is for the affected facility and is representative of current or anticipated operating processes and conditions, the permittee may submit the results of such testing in lieu of the test required under paragraph (a)(1) of Section 40 CFR 63.11092, provided the testing was conducted using the test methods and procedures in 40 CFR 60.503 of Chapter I. Should the Administrator deem the prior test data unacceptable, the facility is still required to meet the requirement to conduct an initial performance test within 180 days of the compliance date specified in 40 CFR 63.11083; thus, previous test reports should be submitted as soon as possible after January 10, 2008. [40 CFR 63.11092(a)(3)]	None.	None.	None.
42	For each performance test conducted under paragraph (a)(1) of Section 40 CFR 63.11092, the permittee shall determine a monitored operating parameter value for the vapor processing system using the procedures specified in paragraphs (b)(1)(i) through (iv) of Section 40 CFR 63.11092. During the performance test, continuously record the operating parameter as specified under paragraphs (b)(1)(i) through (iv) of Section 40 CFR 63.11092. [40 CFR 63.11092(b)(1)]	None.	None.	Submit a report: Semi-annually on January 31 and July 31 of each year of each loading of a gasoline cargo tank for which vapor tightness documentation had not been previously obtained by the facility. . [40 CFR 63.11095(a)(2)]
43	For performance tests performed after the initial test required under paragraph (a) of Section 40 CFR 63.11092, the permittee shall document the reasons for any change in the operating parameter value since the previous performance test. [40 CFR 63.11092(c)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
44	The permittee shall: (1) Operate the vapor processing system in a manner not to exceed or not to go below, as appropriate, the operating parameter value for the parameters described in paragraph (b)(1) of Section 40 CFR 63.11092. (2) Operation of the vapor processing system in a manner exceeding or going below the operating parameter value, as appropriate, shall constitute a violation of the emission standard in §63.11088(a), except when corrective actions as described in the monitoring and inspection plan are followed. The owner or operator must: (i) Initiate corrective action to determine the cause of the problem within 1 hour; (ii) Initiate corrective action to fix the problem within 24 hours; (iii) Complete all corrective actions needed to fix the problem as soon as practicable consistent with good air pollution control practices for minimizing emissions; (iv) Minimize periods of start-up, shutdown, or malfunction; and (v) Take any necessary corrective actions to restore normal operation and prevent the recurrence of the cause of the problem. [40 CFR 63.11092(d)]	None.	Recordkeeping by data acquisition system (DAS) / electronic data storage continuously. The permittee shall keep an up-to-date, readily accessible record of the continuous monitoring data required under 40 CFR 63.11092(b) or 40 CFR 63.11092(e). This record shall indicate the time intervals during which loadings of gasoline cargo tanks have occurred or, alternatively, shall record the operating parameter data only during such loadings. The date and time of day shall also be indicated at reasonable intervals on this record. . [40 CFR 63.11094(f)(1)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
45	The permittee shall keep records of the test results for each gasoline cargo tank loading at the facility as specified in paragraphs (b)(1) through (3) of Section 40 CFR 63.11094. [40 CFR 63.11094(b)]	None.	Recordkeeping by manual logging of parameter or storing data in a computer data system annually. The permittee shall maintain documentation file for each gasoline cargo tank loading at the facility. The documentation file shall be kept up-to-date for each gasoline cargo tank loading at the facility. The documentation for each test shall include, as a minimum, the following information: (i) Name of test: Annual Certification Test—Method 27 or Periodic Railcar Bubble Leak Test Procedure. (ii) Cargo tank owner's name and address. (iii) Cargo tank identification number. (iv) Test location and date. (v) Tester name and signature. (vi) Witnessing inspector, if any: Name, signature, and affiliation. (vii) Vapor tightness repair: Nature of repair work and when performed in relation to vapor tightness testing. (viii) Test results: Test pressure; pressure or vacuum change, mm of water; time period of test; number of leaks found with instrument; and leak definition. . [40 CFR 63.11094(b)(2)]	Submit a report: Semi-annually on January 31 and July 31 of each year of each loading of a gasoline cargo tank for which vapor tightness documentation had not been previously obtained by the facility. . [40 CFR 63.11095(a)(2)]

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
46	The permittee shall perform a monthly leak inspection of all equipment in gasoline service. The permittee shall not transfer gasoline if the delivery vessel being loaded or unloaded, any control apparatus or other equipment serving the transfer operation has a leak that results in a concentration of VOC greater than or equal to 100% LEL of propane when measured at a distance of 1.0 inch or less from the location of the leak. [40 CFR 63.11089(a)]	Other: the permittee may use sight, sound, and smell to conduct the inspection.[40 CFR 63.11089(a)].	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The permittee shall record in the log book for each leak that is detected: (1) The equipment type and identification number. (2) The nature of the leak (i.e., vapor or liquid) and the method of detection (i.e., sight, sound, or smell). (3) The date the leak was detected and the date of each attempt to repair the leak. (4) Repair methods applied in each attempt to repair the leak. (5) "Repair delayed" and the reason for the delay if the leak is not repaired within 15 calendar days after discovery of the leak. (6) The expected date of successful repair of the leak if the leak is not repaired within 15 days. (7) The date of successful repair of the leak. . [40 CFR 63.11094(e)]	Repair equipment: Upon occurrence of event when a leak is detected, an initial attempt at repair shall be made as soon as practicable, but no later than 5 calendar days after the leak is detected. Repair or replacement of leaking equipment shall be completed within 15 calendar days after detection of each leak. [40 CFR 63.11089(c)]
47	The permittee shall prepare a log book describing the types, identification numbers, and location of all equipment in gasoline service. [40 CFR 63.11089(b)]	None.	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The permittee shall prepare and maintain a record describing the types, identification numbers, and locations of all equipment in gasoline service. [40 CFR 63.11094(d)]	None.
48	The permittee shall submit a semi-annual compliance report with the following information: (1) Each loading of a gasoline cargo tank for which vapor tightness documentation had not been previously obtained by the facility. (2) For equipment leak inspections, the number of equipment leaks not repaired within 15 days after detection. [40 CFR 63.11095(a)(2)] and [40 CFR 63.11095(a)(3)]	None.	None.	Submit a report: Semi-annually on January 31 and July 31 of each year [40 CFR 63.11095(a)(2)] and. [40 CFR 63.11095(a)(3)]

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
49	The permittee shall submit an excess emissions report to the Administrator at the time the semiannual compliance report is submitted. Excess emissions events under 40 CFR 63 Subpart BBBBBB, and the information to be included in the excess emissions report, are specified in paragraphs (b)(1) through (5) of Section 40 CFR 63.11095. [40 CFR 63.11095(b)]	None.	None.	Submit an Excess Emissions and Monitoring Systems Performance Report (EEMPR): As per the approved schedule at the time the semiannual report is submitted. [40 CFR 63.11095(b)]
50	The permittee shall submit a semiannual report including the number, duration, and a brief description of each type of malfunction which occurred during the reporting period and which caused or may have caused any applicable emission limitation to be exceeded. The report must also include a description of actions taken by the permittee during a malfunction of an affected source to minimize emissions in accordance with 40 CFR 63.11085(a), including actions taken to correct a malfunction. The report may be submitted as a part of the semiannual compliance report, if one is required. [40 CFR 63.11095(d)]	None.	None.	Submit a report: Upon occurrence of event. [40 CFR 63.11095(d)]
51	The permittee shall comply with the applicable General Provisions of 40 CFR 63 Subpart A according to Table 3 to 40 CFR 63 Subpart BBBBBB. [40 CFR 63.11098]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U4 Marine and Truck Loading Operations**

Operating Scenario: **OS4 Truck Loading Operations - Non-Applicable VOCs**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	This operating scenario shall be limited to liquid non-HAP VOC products with a Vapor Pressure < 0.02 psia @ 70 degrees F. [N.J.A.C. 7:27-22.16(a)]	None.	Vapor Pressure: Recordkeeping by manual logging of parameter or storing data in a computer data system per change of material. The permittee shall maintain records specifying each VOC transfered and its vapor pressure at standard conditions. [N.J.A.C. 7:27-22.16(o)]	None.
2	VOC (Total) <= 3 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	Total Material Transferred <= 210,000 gal/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U4 Marine and Truck Loading Operations**

Operating Scenario: **OS5 Truck Loading of Gasoline and Other Applicable VOCs that are not HAPs, with VP <= 13.0 psia using PVCU as Control Device.**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	VOC (Total) <= 12 lb/hr. [N.J.A.C. 7:27-22.16(a)]	VOC (Total): Monitored by stack emission testing once initially, based on the average of three Department validated stack test runs. The stack test must be repeated every 5 years for each portable VCU used on-site. [N.J.A.C. 7:27-22.16(o)]	VOC (Total): Recordkeeping by stack test results upon occurrence of event. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]
2	The transfer of gasoline shall be made through a submerged fill pipe. [N.J.A.C. 7:27-16.3(c)1i]	None.	None.	None.
3	The permittee shall not transfer gasoline, if: 1.The delivery vessel being loaded or unloaded, or the vapor control system or other equipment serving the transfer operation, has: i. A vapor leak which results in a concentration of applicable VOC greater than or equal to 100 percent of the lower explosive limit of propane, when measured at a distance of 1.0 inch (2.54 centimeters) or less from the location of the leak; or ii. A liquid leak; 2. Any component of the delivery vessel designed for preventing the release of gasoline vapors is not installed and operating as designed; or 3. Commencing or continuing the transfer would result in a liquid gasoline spill. [N.J.A.C. 7:27-16.3(o)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
4	The permittee shall not transfer gasoline at a gasoline loading facility, into or from a delivery vessel, which is required to have a vapor control system pursuant to N.J.A.C. 7:27-16.3(n) unless: 1. The vapor control system is designed to meet the applicable requirements in N.J.A.C. 7:27-16.3(n); 2. All hoses, piping, connections, fittings and manholes serving the vapor control system are vapor-tight and free of liquid leaks, except when gauging or sampling is being performed; 3. The vapor control system, including any component thereof, is maintained in proper operating condition and kept free of defects that could impair the effectiveness of the system; 4. The vapor control system is constructed out of materials that will not become degraded when exposed to any grade of gasoline which may be stored, transferred, and/or dispensed; and 5. The vapor control system is operated properly whenever gasoline is stored, transferred, and/or dispensed. [N.J.A.C. 7:27-16.3(q)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
5	The permittee shall maintain the following records at the facility: 1. On a daily basis, record the total quantity, in gallons or liters, loaded into delivery vessels at the facility; 2. On a continuous basis or at a frequency approved by the Department in writing: i. For any thermal oxidizer used to control the emission of applicable VOCs, record the operating temperature at the exit of the combustion chamber and the carbon monoxide concentration in the flue gas emitted to the outdoor atmosphere; or ii. For a vapor control system using carbon or other adsorptive material, record the concentration of the total applicable VOCs in the flue gas emitted to the outdoor atmosphere; or, provided that the owner or operator confirms daily that the automatic switching between carbon beds is functioning in accordance with permit conditions, record the date of carbon bed replacement; and 3. Upon request of the Department and at a frequency specified by the Department, record any other operating parameter relevant to the prevention or control of air contaminant emissions from the facility. [N.J.A.C. 7:27-16.3(t)]	None.	None.	None.
6	The use of the portable VCU shall be limited to 90 days during any calendar year. [N.J.A.C. 7:27-22.16(a)]	None.	Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. The permittee shall maintain the following records: 1. dates of operation during each calendar month; and 2. total days of operation during each calendar year. [N.J.A.C. 7:27-22.16(o)]	None.
7	The permittee shall conduct stack tests of each portable VCU used on-site every 5 years to demonstrate compliance with VOC emission limits (i.e., lb/hr and mg VOC/liter of liquid loaded). [N.J.A.C. 7:27-22.16(a)]	None.	Other: The permittee shall maintain most recent stack test report for each portable VCU.[N.J.A.C. 7:27-22.16(o)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
8	Minimum VOC Destruction and Removal Efficiency >= 90 %. [N.J.A.C. 7:27-16.3(n)2ii]	Minimum VOC Destruction and Removal Efficiency: Monitored by stack emission testing once initially, based on the average of three Department validated stack test runs. [N.J.A.C. 7:27-22.16(o)]	Minimum VOC Destruction and Removal Efficiency: Recordkeeping by stack test results upon occurrence of event. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See stack testing requirments in OS Summary. [N.J.A.C. 7:27-22.16(o)]
9	Minimum Operating Temperature at the Exit of the Combustion Section >= 1,500 degrees F. [N.J.A.C. 7:27-22.16(a)]	Minimum Operating Temperature at the Exit of the Combustion Section: Monitored by temperature instrument continuously, based on 1 minute intervals. An alarm or other operational warning system shall be installed, properly shielded from direct contact with the flame and shall be designed to sound when temperatures less than the permitted operating temperature are detected at any time. The permittee shall install, calibrate and maintain the monitor(s) in accordance with the manufacturer's specifications. The monitor(s) shall be ranged such that the allowable value is approximately mid-scale of the full range current/voltage output. [N.J.A.C. 7:27-16.3(t)2i]	Minimum Operating Temperature at the Exit of the Combustion Section: Recordkeeping by strip chart or data acquisition (DAS) system continuously. [N.J.A.C. 7:27-22.16(o)]	None.
10	CO <= 50 ppmvd uncorrected for O2 concentrations in the flue gas. [N.J.A.C. 7:27-22.16(a)]	CO: Monitored by stack emission testing once initially, based on the average of three Department validated stack test runs. The stack test must be repeated every 5 years for each portable VCU used on-site. [N.J.A.C. 7:27-22.16(o)]	CO: Recordkeeping by stack test results upon occurrence of event. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]
11	CO <= 50 ppmvd uncorrected for O2 concentrations in the flue gas. [N.J.A.C. 7:27-22.16(a)]	CO: Monitored by periodic emission monitoring once per calendar day during operation. [N.J.A.C. 7:27-22.16(o)]	CO: Recordkeeping by manual logging of parameter or storing data in a computer data system once per calendar day during operation. [N.J.A.C. 7:27-22.16(o)]	None.
12	The Thermal Oxidizer shall not be shutdown until all air contaminants have been purged from the air handling systems after source shutdown. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
13	Total Material Transferred <= 144,000 gal/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
14	CO <= 11.5 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
15	NOx (Total) <= 5.18 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
16	PM-10 (Total) <= 0.32 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
17	SO2 <= 0.15 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
18	TSP <= 0.32 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
19	VOC (Total) <= 10 mg/liter of liquid loaded. [N.J.A.C. 7:27-22.16(a)]	VOC (Total): Monitored by stack emission testing once initially, based on the average of three Department validated stack test runs. The stack test must be repeated every 5 years for each portable VCU used on-site. [N.J.A.C. 7:27-22.16(o)]	VOC (Total): Recordkeeping by stack test results upon occurrence of event. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]
20	All requests, reports, applications, submittal, and other communications required by 40 CFR 60 shall be submitted in duplicate to the EPA Region II Administrator. [40 CFR 60.4(a)]	None.	None.	None.
21	Submit copy of all requests, reports, applications, submittals, and other communications required by 40 CFR 60 to the NJDEP Central Regional Office Enforcement Office. [40 CFR 60.4(b)]	None.	None.	None.
22	Furnish a notification of any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies, unless that change is specifically exempted under an applicable subpart or in 40 CFR 60.14(e). This notice shall be postmarked 60 days or as soon as practicable before the change is commenced and shall include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The Administrator may request additional relevant information subsequent to this notice. [40 CFR 60.7(a)(4)]	None.	None.	Submit notification: Prior to occurrence of event (60 days or as soon as practicable before change is commemced). [40 CFR 60.a(4)]

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Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
23	Maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative. [40 CFR 60.7(b)]	None.	Other: Recordkeeping by manual or electronic logging upon occurrence of event.[40 CFR 60.7(b)].	None.
24	Maintain and operate any affected facility in a manner consistent with good air pollution control practices. [40 CFR 60.11(d)]	None.	None.	None.
25	No owner or operator shall build, erect, install, or use any article, machine, equipment or process, the use of which conceals an emission which would otherwise constitute a violation of an applicable standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard which is based on the concentration of a pollutant in the gases discharged to the atmosphere. [40 CFR 60.12]	None.	None.	None.
26	The affected facility shall be equipped with a vapor collection system designed to collect the total organic compounds vapors displaced from tank trucks during loading. [40 CFR 60.502(a)]	None.	None.	None.
27	Each vapor control system shall be designed to prevent any total organic compounds vapors collected at one loading rack from passing to another loading rack. [40 CFR 60.502(d)]	None.	None.	None.
28	Loadings of liquid product into gasoline tank trucks shall be limited to vapor-tight gasoline tank trucks. [40 CFR 60.502(e)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
29	The owner or operator shall obtain vapor tightness documentation for each gasoline tank truck which is to be loaded at the affected facility. [40 CFR 60.502(e)(1)]	None.	Other: The owner or operator shall maintain a documentation file for each gasoline tank truck to reflect the current Method 27 test results. This file shall include the following information specified at 40 CFR Parts 60.505(b). Records shall be kept on file at the terminal in a permanent form available for inspection.[40 CFR 60.505(a)].	None.
30	The owner or operator shall require the tank identification number to be recorded. [40 CFR 60.502(e)(2)]	None.	Other: Records shall be made as each gasoline truck is loaded at the affected facility.[40 CFR 60.505(e)(2)].	None.
31	The permittee shall cross-check each tank identification number obtained pursuant to 40 CFR Part 60.505(e)(2) with the file of vapor tightness documentation within two (2) weeks after the corresponding tank is loaded. [40 CFR 60.502(e)(3)]	None.	None.	None.
32	The terminal owner or operator shall notify the owner or operator of each non-vapor tight gasoline tank truck loaded at the facility within one (1) week after the corresponding tank is loaded. [40 CFR 60.502(e)(4)]	None.	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The owner or operator shall keep documentation of each notification on file at the terminal for at least 2 years. [40 CFR 60.505(d)]	None.
33	The owner or operator of the terminal shall take steps to ensure that any non-vapor tight gasoline tank truck will not be reloaded at the affected facility until vapor tightness documentation for that tank truck is obtained. [40 CFR 60.502(e)(5)]	None.	None.	None.
34	The permittee shall act to assure that loadings of gasoline tank trucks at the facility are made only into tanks equipped with vapor collection equipment that is compatible with the terminal's vapor collection system. [40 CFR 60.502(f)]	None.	None.	None.
35	The permittee shall act to assure that the terminal's and tank truck's vapor collection system are connected during each loading of a gasoline tank truck at the facility. [40 CFR 60.502(g)]	None.	None.	None.

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Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
36	Gauge Pressure in the Delivery Tank <= 4,500 pascals during product loading. [40 CFR 60.502(h)]	Other: A pressure measurement device (liquid manometer, magnehelic gauge, or equivalent instrument), capable of measuring up to 500 mm of water gauge pressure with ±2.5 mm of water precision, shall be calibrated and installed on the terminal's vapor collection system at a pressure tap located as close as possible to the connection with the gasoline tank truck.[40 CFR 60.503(d)(1)].	Gauge Pressure in the Delivery Tank: Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. During the performance test, the pressure shall be recorded every 5 minutes while a gasoline truck is being loaded; the highest instantaneous pressure that occurs during each loading shall also be recorded. Every loading position must be tested at least once during the performance test. [40 CFR 60.503(d)(2)]	None.
37	Pressure-vacuum vents in the bulk gasoline terminal's vapor collection system shall begin open only if System Pressure >= 4,500 pascals. [40 CFR 60.502(i)]	None.	None.	None.
38	The permittee shall inspect the vapor collection system, the vapor processing system, and loading rack handling gasoline for total organic compounds liquid or vapor leaks during the loading of gasoline tank trucks. [40 CFR 60.502(j)]	Monitored by periodic leak detection monitoring each month during operation. Detection methods incorporating sight, sound, or smell are acceptable. [40 CFR 60.502(j)]	Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. The permittee shall record the results of each leak detection inspection and include in the record all information specified at 40 CFR Part 60.505(c). Records shall be kept on file at the terminal for at least 2 years. [40 CFR 60.505(c)]	Repair equipment: Within 15 calendar days from detection. The owner or operator shall repair the source of any detected leak. [40 CFR 60.502(j)]
39	The permittee shall keep records of all replacements or additions of components performed on an existing vapor processing system. [40 CFR 60.505(f)]	None.	Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. Records shall be maintained on-site for at least 3 years. [40 CFR 60.505(f)]	None.

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Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
40	The permittee shall: (a) Equip the loading rack(s) with a vapor collection system designed to collect the TOC vapors displaced from cargo tanks during product loading; and (b) Reduce emissions of TOC to less than or equal to 80 mg/l of gasoline loaded into gasoline cargo tanks at the loading rack; and (c) Design and operate the vapor collection system to prevent any TOC vapors collected at one loading rack or lane from passing through another loading rack or lane to the atmosphere; and (d) Limit the loading of gasoline into gasoline cargo tanks that are vapor tight per 40 CFR 60.502. [40 CFR 63.11088(a)]	None.	None.	None.
41	The permittee shall conduct a performance test on the vapor processing and collection systems according to either paragraph (a)(1)(i) or paragraph (a)(1)(ii) of Section 40 CFR 63.11092. (i) Use the test methods and procedures in 40 CFR 60.503 of Chapter I, except a reading of 500 parts per million shall be used to determine the level of leaks to be repaired under 40 CFR 60.503(b) of Chapter I. (ii) Use alternative test methods and procedures in accordance with the alternative test method requirements in 40 CFR 63.7(f). [40 CFR 63.11092(a)(1)]	None.	None.	None.
42	The permittee may submit a statement by a responsible official certifying that the gasoline loading rack is in compliance with the emission limit of 10 mg per liter of gasoline loaded in lieu of the test required under 40 CFR 63.11092(a)(1). [40 CFR 63.11092(a)(2)]	None.	None.	None.

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Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
43	If the permittee conducted performance testing on the vapor processing and collection systems within 5 years prior to January 10, 2008, and the test is for the affected facility and is representative of current or anticipated operating processes and conditions, the permittee may submit the results of such testing in lieu of the test required under paragraph (a)(1) of Section 40 CFR 63.11092, provided the testing was conducted using the test methods and procedures in 40 CFR 60.503 of Chapter I. Should the Administrator deem the prior test data unacceptable, the facility is still required to meet the requirement to conduct an initial performance test within 180 days of the compliance date specified in 40 CFR 63.11083; thus, previous test reports should be submitted as soon as possible after January 10, 2008. [40 CFR 63.11092(a)(3)]	None.	None.	None.
44	For each performance test conducted under paragraph (a)(1) of Section 40 CFR 63.11092, the permittee shall determine a monitored operating parameter value for the vapor processing system using the procedures specified in paragraphs (b)(1)(i) through (iv) of Section 40 CFR 63.11092. During the performance test, continuously record the operating parameter as specified under paragraphs (b)(1)(i) through (iv) of Section 40 CFR 63.11092. [40 CFR 63.11092(b)(1)]	None.	None.	Submit a report: Semi-annually on January 31 and July 31 of each year of each loading of a gasoline cargo tank for which vapor tightness documentation had not been previously obtained by the facility. . [40 CFR 63.11095(a)(2)]
45	For performance tests performed after the initial test required under paragraph (a) of Section 40 CFR 63.11092, the permittee shall document the reasons for any change in the operating parameter value since the previous performance test. [40 CFR 63.11092(c)]	None.	None.	None.

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Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
46	The permittee shall: (1) Operate the vapor processing system in a manner not to exceed or not to go below, as appropriate, the operating parameter value for the parameters described in paragraph (b)(1) of Section 40 CFR 63.11092. (2) Operation of the vapor processing system in a manner exceeding or going below the operating parameter value, as appropriate, shall constitute a violation of the emission standard in §63.11088(a), except when corrective actions as described in the monitoring and inspection plan are followed. The owner or operator must: (i) Initiate corrective action to determine the cause of the problem within 1 hour; (ii) Initiate corrective action to fix the problem within 24 hours; (iii) Complete all corrective actions needed to fix the problem as soon as practicable consistent with good air pollution control practices for minimizing emissions; (iv) Minimize periods of start-up, shutdown, or malfunction; and (v) Take any necessary corrective actions to restore normal operation and prevent the recurrence of the cause of the problem. [40 CFR 63.11092(d)]	None.	Recordkeeping by data acquisition system (DAS) / electronic data storage continuously. The permittee shall keep an up-to-date, readily accessible record of the continuous monitoring data required under 40 CFR 63.11092(b) or 40 CFR 63.11092(e). This record shall indicate the time intervals during which loadings of gasoline cargo tanks have occurred or, alternatively, shall record the operating parameter data only during such loadings. The date and time of day shall also be indicated at reasonable intervals on this record. . [40 CFR 63.11094(f)(1)]	None.

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Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
47	The permittee shall keep records of the test results for each gasoline cargo tank loading at the facility as specified in paragraphs (b)(1) through (3) of Section 40 CFR 63.11094. [40 CFR 63.11094(b)]	None.	Recordkeeping by manual logging of parameter or storing data in a computer data system annually. The permittee shall maintain documentation file for each gasoline cargo tank loading at the facility. The documentation file shall be kept up-to-date for each gasoline cargo tank loading at the facility. The documentation for each test shall include, as a minimum, the following information: (i) Name of test: Annual Certification Test—Method 27 or Periodic Railcar Bubble Leak Test Procedure. (ii) Cargo tank owner's name and address. (iii) Cargo tank identification number. (iv) Test location and date. (v) Tester name and signature. (vi) Witnessing inspector, if any: Name, signature, and affiliation. (vii) Vapor tightness repair: Nature of repair work and when performed in relation to vapor tightness testing. (viii) Test results: Test pressure; pressure or vacuum change, mm of water; time period of test; number of leaks found with instrument; and leak definition. . [40 CFR 63.11094(b)(2)]	Submit a report: Semi-annually on January 31 and July 31 of each year of each loading of a gasoline cargo tank for which vapor tightness documentation had not been previously obtained by the facility. . [40 CFR 63.11095(a)(2)]

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
48	The permittee shall perform a monthly leak inspection of all equipment in gasoline service. The permittee shall not transfer gasoline if the delivery vessel being loaded or unloaded, any control apparatus or other equipment serving the transfer operation has a leak that results in a concentration of VOC greater than or equal to 100% LEL of propane when measured at a distance of 1.0 inch or less from the location of the leak. [40 CFR 63.11089(a)]	Other: the permittee may use sight, sound, and smell to conduct the inspection.[40 CFR 63.11089(a)].	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The permittee shall record in the log book for each leak that is detected: (1) The equipment type and identification number. (2) The nature of the leak (i.e., vapor or liquid) and the method of detection (i.e., sight, sound, or smell). (3) The date the leak was detected and the date of each attempt to repair the leak. (4) Repair methods applied in each attempt to repair the leak. (5) "Repair delayed" and the reason for the delay if the leak is not repaired within 15 calendar days after discovery of the leak. (6) The expected date of successful repair of the leak if the leak is not repaired within 15 days. (7) The date of successful repair of the leak. . [40 CFR 63.11094(e)]	Repair equipment: Upon occurrence of event when a leak is detected, an initial attempt at repair shall be made as soon as practicable, but no later than 5 calendar days after the leak is detected. Repair or replacement of leaking equipment shall be completed within 15 calendar days after detection of each leak. [40 CFR 63.11089(c)]
49	The permittee shall prepare a log book describing the types, identification numbers, and location of all equipment in gasoline service. [40 CFR 63.11089(b)]	None.	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The permittee shall prepare and maintain a record describing the types, identification numbers, and locations of all equipment in gasoline service. [40 CFR 63.11094(d)]	None.
50	The permittee shall submit a semi-annual compliance report with the following information: (1) Each loading of a gasoline cargo tank for which vapor tightness documentation had not been previously obtained by the facility. (2) For equipment leak inspections, the number of equipment leaks not repaired within 15 days after detection. [40 CFR 63.11095(a)(2)] and [40 CFR 63.11095(a)(3)]	None.	None.	Submit a report: Semi-annually on January 31 and July 31 of each year [40 CFR 63.11095(a)(2)] and. [40 CFR 63.11095(a)(3)]

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
51	The permittee shall submit an excess emissions report to the Administrator at the time the semiannual compliance report is submitted. Excess emissions events under 40 CFR 63 Subpart BBBBBB, and the information to be included in the excess emissions report, are specified in paragraphs (b)(1) through (5) of Section 40 CFR 63.11095. [40 CFR 63.11095(b)]	None.	None.	Submit an Excess Emissions and Monitoring Systems Performance Report (EEMPR): As per the approved schedule at the time the semiannual report is submitted. [40 CFR 63.11095(b)]
52	The permittee shall submit a semiannual report including the number, duration, and a brief description of each type of malfunction which occurred during the reporting period and which caused or may have caused any applicable emission limitation to be exceeded. The report must also include a description of actions taken by the permittee during a malfunction of an affected source to minimize emissions in accordance with 40 CFR 63.11085(a), including actions taken to correct a malfunction. The report may be submitted as a part of the semiannual compliance report, if one is required. [40 CFR 63.11095(d)]	None.	None.	Submit a report: Upon occurrence of event. [40 CFR 63.11095(d)]
53	The permittee shall comply with the applicable General Provisions of 40 CFR 63 Subpart A according to Table 3 to 40 CFR 63 Subpart BBBBBB. [40 CFR 63.11098]	None.	None.	None.

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Emission Unit: **U5 #6 Fuel Oil Boiler #1, 2, and 3 >20 MM Btu per hour**

Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Summary of Applicable Federal Regulations: 40 CFR 63 Subpart A 40 CFR 63 Subpart JJJJJJ [None]	None.	None.	None.
2	STACK TESTING SUMMARY The permittee shall conduct a stack test at least 18 months prior to the expiration of the initial or renewed operating permit using an approved protocol to demonstrate compliance with emission limits for CO, NOx, PM-10, and TSP as specified in the compliance plan for OS1 and OS2. Testing must be conducted at worst-case permitted operating conditions with regard to meeting the applicable emission standards, but without creating an unsafe condition. Testing shall be performed between mid december (December 15) and the end of February (February 28 or 29). [N.J.A.C. 7:27-22.16(a)]	None.	None.	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. Submit a stack test protocol to the Emission Measurement Section (EMS) at Mail Code: 380-01A, PO Box 420, Trenton, NJ 08625 at least 30 months prior to the expiration of the approved operating permit. The protocol and test report must be prepared and submitted on a CD using the Electronic Reporting Tool (ERT), unless another format is approved by EMS. The ERT program can be downloaded at: http://www.epa.gov/ttnchie1/ert. Within 30 days of protocol approval or no less than 60 days prior to the testing deadline, whichever is later, the permittee must contact EMS at 609-530-4041 to schedule a mutually acceptable test date. A full stack test report must be submitted to EMS and a certified summary test report must be submitted to the Regional Enforcement Office within 45 days after performing the stack test pursuant to N.J.A.C. 7:27-22.19(d). The test results must be certified by a licensed professional engineer or certified industrial hygienist. [N.J.A.C. 7:27-22.18(e)] and . [N.J.A.C. 7:27-22.18(h)]

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
3	STACK TESTING SUMMARY The permittee shall conduct a stack test in accordance with the schedule in the Submittal/Action Requirement using an approved protocol to demonstrate compliance with emission limits for CO, NOx, PM-10, and TSP as specified in the compliance plan for OS3. Testing must be conducted at worst-case permitted operating conditions with regard to meeting the applicable emission standards, but without creating an unsafe condition. [N.J.A.C. 7:27-22.16(a)]	None.	None.	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. Submit a stack test protocol to the Emission Measurement Section (EMS) at Mail Code: 380-01A, PO Box 420, Trenton, NJ 08625 within 60 days from the date of the start-up of Boiler #3. The protocol and test report must be prepared and submitted on a CD using the Electronic Reporting Tool (ERT), unless another format is approved by EMS. The ERT program can be downloaded at: http://www.epa.gov/ttnchie1/ert. Within 30 days of protocol approval, the permittee must contact EMS at 609-530-4041 to schedule a mutually acceptable test date. The stack test must be conducted within 60 days of the protocol approval. A full stack test report must be submitted to EMS and a certified summary test report must be submitted to the Regional Enforcement Office within 45 days after performing the stack test pursuant to N.J.A.C. 7:27-22.19(d). The test results must be certified by a licensed professional engineer or certified industrial hygienist. [N.J.A.C. 7:27-22.18(e)] and. [N.J.A.C. 7:27-22.18(h)]
4	Submit a minor modification after the completion of the comprehensive stack test of Boiler #3 to revise hourly and annual emission rates and fuel consumption. [N.J.A.C. 7:27-22.16(a)]	None.	None.	Submit the required air permit application(s): Within 60 days of stack testing. [N.J.A.C. 7:27-22.16(o)]
5	Sulfur Content in Fuel <= 3,000 ppmw (0.3% by weight). [N.J.A.C. 7:27- 9.2(b)]	Sulfur Content in Fuel: Monitored by review of fuel delivery records per delivery. [N.J.A.C. 7:27-22.16(o)]	Sulfur Content in Fuel: Recordkeeping by invoices / bills of lading / certificate of analysis per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	None.
6	NOx (Total) <= 31.1 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	TSP <= 7 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	PM-10 (Total) <= 4.72 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
9	VOC (Total) <= 0.16 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
10	CO <= 1.3 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
11	SO2 <= 23.6 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
12	Boiler Fuel is Limited to #6 Fuel Oil . [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
13	Chromium (Hexavalent) Emissions <= 0.000323 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
14	Nickel compounds <= 0.11 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
15	Arsenic compounds <= 0.00172 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
16	Lead compounds <= 0.00197 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
17	Fuel Oil Usage <= 1 MMgals of #6 Fuel Oil per any consecutive 12 month period. [N.J.A.C. 7:27-22.16(a)]	Fuel Oil Usage: Monitored by fuel flow/firing rate instrument continuously or tank gauging of the boiler fuel feed tank monthly. [N.J.A.C. 7:27-22.16(o)]	Fuel Oil Usage: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. The permittee shall also maintain records of fuel oil usage during each consecutive 12-month period. [N.J.A.C. 7:27-22.16(o)]	None.
18	Submit Notifications of Compliance Status report signed by the Responsible Official containing the following certifications: i) "This facility complies with the requirements in 40 CFR 63.11214 to conduct an initial tune-up of the boiler" ii) "This facility has had an energy assessment performed according to 40 CFR 63.11214(c). [40 CFR 63.11225(a)(4)]	None.	None.	Submit notification: As per the approved schedule. You must submit the Notification of Compliance Status in accordance with 40 CFR 63.9(h) by no later than 120 days after the applicable compliance date specified in 40 CFR 63.11196. [40 CFR 63.11225(a)]

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Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
19	No later than March 21, 2012, the permittee shall conduct a biennial tuneup as per below. Each biennial tune up must be conducted no more than 25 months after the previous tune up. (1) As applicable, inspect the burner, and clean or replace any components of the burner as necessary (the burner inspection may be delayed until the next scheduled unit shutdown, but each burner must be inspected at least once every 36 months). (2) Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available. (3) Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly. (4) Optimize total emissions of carbon monoxide. This optimization should be consistent with the manufacturer's specifications, if available. (5) If the unit is not operating on the required date for a tune-up, the tune-up must be conducted within one week of startup. [40 CFR 63.11223(b)]	Monitored by periodic emission monitoring at the approved frequency , biennially. (1) Measure the concentrations in the effluent stream of carbon monoxide (CO) in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made). [40 CFR 63.11223(b)(5)]	Recordkeeping by manual logging of parameter or storing data in a computer data system at the approved frequency. The permittee shall keep the following records to document conformance with the biennial tune up: i) Records identifying each boiler, the date of tune up, the procedures followed for tune-ups and the manufacturer's specifications to which the boiler was tuned. ii) Records documenting the fuel type(s) used monthly by each boiler, including, but not limited to a description of the fuel and the total fuel usage amount with units of measure. [40 CFR 63.11225(c)(2)]	Submit a report: As per the approved schedule. Maintain onsite and submit if requested by the Administrator, a biennial report containing the following information: (i) The concentrations of CO in the effluent stream in parts per million, by volume, and oxygen in volume percent, measured before and after the tune-up of the boiler. (ii) A description of any corrective actions taken as a part of the tune-up of the boiler. (iii) The type and amount of fuel used over the 12 months prior to the biennial tune-up of the boiler. [40 CFR 63.11223(b)(6)]

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
20	The permittee must have a one-time energy assessment performed by a qualified energy assessor, no later than March 21, 2014. An energy assessment completed on or after January 1, 2008, that meets or is amended to meet the energy assessment requirements in this table satisfies the energy assessment requirement. The energy assessment must include: (1) A visual inspection of the boiler system, (2) An evaluation of operating characteristics of the facility, specifications of energy using systems, operating and maintenance procedures, and unusual operating constraints, (3) Inventory of major systems consuming energy from affected boiler(s), (4) A review of available architectural and engineering plans, facility operation and maintenance procedures and logs, and fuel usage, (5) A list of major energy conservation measures, (6) A list of the energy savings potential of the energy conservation measures identified, (7) A comprehensive report detailing the ways to improve efficiency, the cost of specific improvements, benefits, and the time frame for recouping those investments. [40 CFR 63.11201(b)]	None.	None.	None.
21	The permittee must submit an Initial Notification, as specified in 40 CFR 63.9(b)(2) no later than 120 days after the source becomes subject to 40 CFR Part 63, Subpart JJJJJJ. [40 CFR 63.11225(a)(2)]	None.	None.	Submit notification: As per the approved schedule. [40 CFR 63.11225]

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
22	Prepare a biennial compliance report by March 1, and submit to the delegated authority upon request, a compliance certification for the previous calendar years containing the following information: 1) Company name and address 2) Statement by responsible official, with the official's name, title, phone number, e-mail address, and signature, certifying the truth, accuracy and completeness of the notification and statement of whether the source has complied with all the relevant standards and other requirements of 40 CFR Part 63, Subpart JJJJJJ. 3) If the source experiences any deviations from the applicable requirements during the reporting period, include a description of deviations, the time periods during which the deviations occurred, and the corrective actions taken. 4) The total fuel use by each affected boiler subject to an emission limit, for each calendar month with the reporting period, including, but not limited to, a description of the fuel. [40 CFR 63.11225(b)]	None.	None.	Submit a report: As per the approved schedule , biennially. Prepare and submit the annual compliance report by March 1 of the submittal year, if requested by the delegated authority, The report must be submitted by March 15 if the source experienced deviations from the applicable requirements during the reporting period. [40 CFR 63.11225(b)]
23	The permittee shall comply with General Provisions of 40 CFR Part 63 Subpart A in accordance with Table 8 to 40 CFR 63 Subpart JJJJJJ. [40 CFR 63.11235]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U5 #6 Fuel Oil Boiler #1, 2, and 3 >20 MM Btu per hour**

Operating Scenario: **OS1 24.5 MM Btu/hr Boiler 25**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	No visible emissions except for a period of not longer than three minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-3.2(a)] and [N.J.A.C. 7:27- 3.2(c)]	Monitored by visual determination daily, based on an instantaneous determination. The permittee shall conduct the visual inspection once each day during daylight hours when the boiler is operating, . Visual inspections shall consist of an instantaneous visual survey to identify if the stack has visible emissions (other than condensed water vapor) greater than the prescribed standard. If visible emissions are observed and the corrective action taken does not correct the opacity problem within 24 hours, the permittee shall perform a check via a certified opacity reader, in accordance with N.J.A.C. 7:27B-2. Such test shall be conducted each operating day until corrective action is taken to successfully correct the opacity problem. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event : (1) Date and time of inspection; (2) Emission point number; (3) Operational status of equipment; (4) Observed results and conclusions; (5) Description of corrective actions taken if necessary; (6) Date and time opacity problem was solved, if applicable; (7) N.J.A.C. 7:27B-2 results if conducted; and (8) Name of person(s) conducting inspection. (Records shall be maintained solely for days on which visible emissions greater than the prescribed standard are observed and the approriate actions are taken.). [N.J.A.C. 7:27-22.16(o)]	Conduct an inspection: Upon occurrence of event. If visible emissions are observed, the permittee shall verify that the equipment and/ or control device causing the emission is operating according to manufacturer's specifications and the compliance plan. If the equipment or control device is not operating properly, the permittee shall take corrective action immediately to eliminate the excess emissions. The permittee shall report any permit violation to the Department pursuant to N.J.A.C. 7:27-22.19. [N.J.A.C. 7:27-22.16(o)]
2	TSP <= 8.86 lb/hr. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
3	The permittee shall adjust the combustion process for each boiler annually in the same quarter of each calendar year. The permittee shall perform the adjustment of the combustion process in accordance with the specific procedures for combustion adjustment monitoring specified in NJDEP Technical Manual 1005 and the procedure set forth at N.J.A.C. 7:27-19.16(a) as follows: 1.Inspect the burner, and clean or replace any components of the burner as necessary; 2. Inspect the flame pattern and make any adjustments to the burner necessary to optimize the flame pattern consistent with the manufacturer's specifications; 3. Inspect the system controlling the air-to-fuel ratio, and ensure that it is correctly calibrated and functioning properly; 4. Minimize the total emissions of NOx and CO consistent with the manufacturer's specifications [N.J.A.C. 7:27-16.8(b)], [N.J.A.C. 7:27-16.8(c)] and [N.J.A.C. 7:27-19.7(g)]	Monitored by periodic emission monitoring annually. The owner or operator shall: 1. Measure the concentrations in the effluent stream of NOx, CO and O2 in ppmvd, before and after the adjustment is made; and 2. Convert the emission values of NOx, CO and O2 concentrations measured in lb/MMBTU according to the following formula: Lb/MMBTU = ppmvd * MW * F dry factor * O2 correction factor/387,000,000, where: ppmvd is the concentration in parts per million by volume, dry basis, of NOx or CO; MW is the Molecular Weight for NOx=46 lb/lb-mole, CO=28 lb/lb-mole; F Dry factor for: Natural Gas = 8,710 dscf/MMBTU, Residual or fuel oil = 9,190 dscf/MMBTU; O2 correction factor: (20.9%)/(20.9% - O2 measured), where O2 measured is percent oxygen on a dry basis. [N.J.A.C. 7:27-19.16(a)]	Recordkeeping by manual logging of parameter or storing data in a computer data system upon performing combustion adjustment. The permittee shall maintain the following information for each adjustment: 1. The date of the adjustment and the times at which it began and ended; 2. The name, title and affiliation of the person who made the adjustment; 3. The NOx and CO concentrations in the effluent stream, in ppmvd, before and after each actual adjustment was made; 4. The concentration of O2 (in percent dry basis) at which the CO and NOx concentrations were measured; 5. A description of any corrective action taken; 6. Results from any subsequent test performed after taking any corrective action, including concentrations and converted emission values in (lb/MMBTU); and 7. The type and amount of fuel used over the 12 months prior to the annual adjustment. The records must be retained for a minimum of five years and to be made readily accessible to the Department upon request. [N.J.A.C. 7:27-19.16(b)]	Submit a report: within 45 days after the adjustment of the combustion process is completed. The report shall be submitted electronically to: www.njdeponline.com. Instructions for submitting this report online are specified at: http://www.nj.gov/dep/aqpp/adjustment.htm. [N.J.A.C. 7:27-19.16(d)] and. [N.J.A.C. 7:27-19.16(c)]
4	The owner or operator of the adjusted equipment or source operation shall ensure that the operating parameter settings are established and recorded after the combustion process is adjusted and that the adjusted equipment or source operation is maintained to operate consistent with the annual adjustment. [N.J.A.C. 7:27-19.16(e)]	Other: Monitored by the operating parameter settings that are established after the combustion process is adjusted in order to operate consistent with the annual adjustment. [N.J.A.C. 7:27-19.16(e)].	Other: The owner or operator shall record the operating parameter settings that are established after the combustion process is adjusted and retain until the next annual adjustment, to be made readily accessible to the Department upon request. [N.J.A.C. 7:27-19.16(e)].	None.
5	VOC (Total) <= 0.05 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	NOx (Total) <= 10.3 lb/hr. [N.J.A.C. 7:27-22.16(a)]	NOx (Total): Monitored by stack emission testing prior to permit expiration date, based on the average of three Department validated stack test runs. [N.J.A.C. 7:27-22.16(o)]	NOx (Total): Recordkeeping by stack test results upon occurrence of event. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
7	CO <= 0.4 lb/hr. [N.J.A.C. 7:27-22.16(a)]	CO: Monitored by stack emission testing prior to permit expiration date, based on the average of three Department validated stack test runs. [N.J.A.C. 7:27-22.16(o)]	CO: Recordkeeping by stack test results upon occurrence of event. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]
8	SO2 <= 7.8 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	TSP <= 1.27 lb/hr. [N.J.A.C. 7:27-22.16(a)]	TSP: Monitored by stack emission testing prior to permit expiration date, based on the average of three Department validated stack test runs. [N.J.A.C. 7:27-22.16(o)]	TSP: Recordkeeping by stack test results upon occurrence of event. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]
10	PM-10 (Total) <= 1.58 lb/hr. [N.J.A.C. 7:27-22.16(a)]	PM-10 (Total): Monitored by stack emission testing prior to permit expiration date, based on the average of three Department validated stack test runs. [N.J.A.C. 7:27-22.16(o)]	PM-10 (Total): Recordkeeping by stack test results upon occurrence of event. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]
11	Arsenic compounds <= 0.000252 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
12	Chromium (Hexavalent) Emissions <= 0.0000473 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
13	Lead compounds <= 0.000288 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
14	Nickel compounds <= 0.0161 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
15	Maximum Gross Heat Input <= 24.5 MMBTU/hr (HHV). Boiler has been derated by permanent electro-mechanical modification to the combustion control system, combustion air damper, and the fuel oil controller. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U5 #6 Fuel Oil Boiler #1, 2, and 3 >20 MM Btu per hour**

Operating Scenario: **OS2 23 MM Btu/hr Boiler 27**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	No visible emissions except for a period of not longer than three minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-3.2(a)] and. [N.J.A.C. 7:27- 3.2(c)]	Monitored by visual determination daily, based on an instantaneous determination. The permittee shall conduct the visual inspection once each day during daylight hours when the boiler is operating, . Visual inspections shall consist of an instantaneous visual survey to identify if the stack has visible emissions (other than condensed water vapor) greater than the prescribed standard. If visible emissions are observed and the corrective action taken does not correct the opacity problem within 24 hours, the permittee shall perform a check via a certified opacity reader, in accordance with N.J.A.C. 7:27B-2. Such test shall be conducted each operating day until corrective action is taken to successfully correct the opacity problem. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event : (1) Date and time of inspection; (2) Emission point number; (3) Operational status of equipment; (4) Observed results and conclusions; (5) Description of corrective actions taken if necessary; (6) Date and time opacity problem was solved, if applicable; (7) N.J.A.C. 7:27B-2 results if conducted; and (8) Name of person(s) conducting inspection. (Records shall be maintained solely for days on which visible emissions greater than the prescribed standard are observed and the approriate actions are taken.). [N.J.A.C. 7:27-22.16(o)]	Conduct an inspection: Upon occurrence of event. If visible emissions are observed, the permittee shall verify that the equipment and/ or control device causing the emission is operating according to manufacturer's specifications and the compliance plan. If the equipment or control device is not operating properly, the permittee shall take corrective action immediately to eliminate the excess emissions. The permittee shall report any permit violation to the Department pursuant to N.J.A.C. 7:27-22.19. [N.J.A.C. 7:27-22.16(o)]
2	TSP <= 8.5 lb/hr. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
3	The permittee shall adjust the combustion process for each boiler annually in the same quarter of each calendar year. The permittee shall perform the adjustment of the combustion process in accordance with the specific procedures for combustion adjustment monitoring specified in NJDEP Technical Manual 1005 and the procedure set forth at N.J.A.C. 7:27-19.16(a) as follows: 1.Inspect the burner, and clean or replace any components of the burner as necessary; 2. Inspect the flame pattern and make any adjustments to the burner necessary to optimize the flame pattern consistent with the manufacturer's specifications; 3. Inspect the system controlling the air-to-fuel ratio, and ensure that it is correctly calibrated and functioning properly; 4. Minimize the total emissions of NOx and CO consistent with the manufacturer's specifications [N.J.A.C. 7:27-16.8(b)], [N.J.A.C. 7:27-16.8(c)] and [N.J.A.C. 7:27-19.7(g)]	Monitored by periodic emission monitoring annually. The owner or operator shall: 1. Measure the concentrations in the effluent stream of NOx, CO and O2 in ppmvd, before and after the adjustment is made; and 2. Convert the emission values of NOx, CO and O2 concentrations measured in lb/MMBTU according to the following formula: Lb/MMBTU = ppmvd * MW * F dry factor * O2 correction factor/387,000,000, where: ppmvd is the concentration in parts per million by volume, dry basis, of NOx or CO; MW is the Molecular Weight for NOx=46 lb/lb-mole, CO=28 lb/lb-mole; F Dry factor for: Natural Gas = 8,710 dscf/MMBTU, Residual or fuel oil = 9,190 dscf/MMBTU; O2 correction factor: (20.9%)/(20.9% - O2 measured), where O2 measured is percent oxygen on a dry basis. [N.J.A.C. 7:27-19.16(a)]	Recordkeeping by manual logging of parameter or storing data in a computer data system upon performing combustion adjustment. The permittee shall maintain the following information for each adjustment: 1. The date of the adjustment and the times at which it began and ended; 2. The name, title and affiliation of the person who made the adjustment; 3. The NOx and CO concentrations in the effluent stream, in ppmvd, before and after each actual adjustment was made; 4. The concentration of O2 (in percent dry basis) at which the CO and NOx concentrations were measured; 5. A description of any corrective action taken; 6. Results from any subsequent test performed after taking any corrective action, including concentrations and converted emission values in (lb/MMBTU); and 7. The type and amount of fuel used over the 12 months prior to the annual adjustment. The records must be retained for a minimum of five years and to be made readily accessible to the Department upon request. [N.J.A.C. 7:27-19.16(b)]	Submit a report: within 45 days after the adjustment of the combustion process is completed. The report shall be submitted electronically to: www.njdeponline.com. Instructions for submitting this report online are specified at: http://www.nj.gov/dep/aqpp/adjustment.htm. [N.J.A.C. 7:27-19.16(d)] and. [N.J.A.C. 7:27-19.16(c)]
4	The owner or operator of the adjusted equipment or source operation shall ensure that the operating parameter settings are established and recorded after the combustion process is adjusted and that the adjusted equipment or source operation is maintained to operate consistent with the annual adjustment. [N.J.A.C. 7:27-19.16(e)]	Other: Monitored by the operating parameter settings that are established after the combustion process is adjusted in order to operate consistent with the annual adjustment. [N.J.A.C. 7:27-19.16(e)].	Other: The owner or operator shall record the operating parameter settings that are established after the combustion process is adjusted and retain until the next annual adjustment, to be made readily accessible to the Department upon request. [N.J.A.C. 7:27-19.16(e)].	None.
5	NOx (Total) <= 8.97 lb/hr. [N.J.A.C. 7:27-22.16(a)]	NOx (Total): Monitored by stack emission testing prior to permit expiration date, based on the average of three Department validated stack test runs. [N.J.A.C. 7:27-22.16(o)]	NOx (Total): Recordkeeping by stack test results upon occurrence of event. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
6	CO <= 0.4 lb/hr. [N.J.A.C. 7:27-22.16(a)]	CO: Monitored by stack emission testing prior to permit expiration date, based on the average of three Department validated stack test runs. [N.J.A.C. 7:27-22.16(o)]	CO: Recordkeeping by stack test results upon occurrence of event. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]
7	SO2 <= 7.32 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	TSP <= 2.17 lb/hr. [N.J.A.C. 7:27-22.16(a)]	TSP: Monitored by stack emission testing prior to permit expiration date, based on the average of three Department validated stack test runs. [N.J.A.C. 7:27-22.16(o)]	TSP: Recordkeeping by stack test results upon occurrence of event. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]
9	PM-10 (Total) <= 1.09 lb/hr. [N.J.A.C. 7:27-22.16(a)]	PM-10 (Total): Monitored by stack emission testing prior to permit expiration date, based on the average of three Department validated stack test runs. [N.J.A.C. 7:27-22.16(o)]	PM-10 (Total): Recordkeeping by stack test results upon occurrence of event. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]
10	Arsenic compounds <= 0.000137 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
11	Chromium (Hexavalent) Emissions <= 0.0000258 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
12	Lead compounds <= 0.000157 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
13	Nickel compounds <= 0.00879 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
14	Maximum Gross Heat Input <= 23 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U5 #6 Fuel Oil Boiler #1, 2, and 3 >20 MM Btu per hour**

Operating Scenario: **OS3 20.9 MM Btu/hr Boiler 26**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	No visible emissions except for a period of not longer than three minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-3.2(a)] and. [N.J.A.C. 7:27- 3.2(c)]	Monitored by visual determination daily, based on an instantaneous determination. The permittee shall conduct the visual inspection once each day during daylight hours when the boiler is operating, . Visual inspections shall consist of an instantaneous visual survey to identify if the stack has visible emissions (other than condensed water vapor) greater than the prescribed standard. If visible emissions are observed and the corrective action taken does not correct the opacity problem within 24 hours, the permittee shall perform a check via a certified opacity reader, in accordance with N.J.A.C. 7:27B-2. Such test shall be conducted each operating day until corrective action is taken to successfully correct the opacity problem. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event : (1) Date and time of inspection; (2) Emission point number; (3) Operational status of equipment; (4) Observed results and conclusions; (5) Description of corrective actions taken if necessary; (6) Date and time opacity problem was solved, if applicable; (7) N.J.A.C. 7:27B-2 results if conducted; and (8) Name of person(s) conducting inspection. (Records shall be maintained solely for days on which visible emissions greater than the prescribed standard are observed and the approriate actions are taken.). [N.J.A.C. 7:27-22.16(o)]	Conduct an inspection: Upon occurrence of event. If visible emissions are observed, the permittee shall verify that the equipment and/ or control device causing the emission is operating according to manufacturer's specifications and the compliance plan. If the equipment or control device is not operating properly, the permittee shall take corrective action immediately to eliminate the excess emissions. The permittee shall report any permit violation to the Department pursuant to N.J.A.C. 7:27-22.19. [N.J.A.C. 7:27-22.16(o)]
2	TSP <= 8.1 lb/hr. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
3	The permittee shall adjust the combustion process for each boiler annually in the same quarter of each calendar year. The permittee shall perform the adjustment of the combustion process in accordance with the specific procedures for combustion adjustment monitoring specified in NJDEP Technical Manual 1005 and the procedure set forth at N.J.A.C. 7:27-19.16(a) as follows: 1.Inspect the burner, and clean or replace any components of the burner as necessary; 2. Inspect the flame pattern and make any adjustments to the burner necessary to optimize the flame pattern consistent with the manufacturer's specifications; 3. Inspect the system controlling the air-to-fuel ratio, and ensure that it is correctly calibrated and functioning properly; 4. Minimize the total emissions of NOx and CO consistent with the manufacturer's specifications [N.J.A.C. 7:27-16.8(b)], [N.J.A.C. 7:27-16.8(c)] and [N.J.A.C. 7:27-19.7(g)]	Monitored by periodic emission monitoring annually. The owner or operator shall: 1. Measure the concentrations in the effluent stream of NOx, CO and O2 in ppmvd, before and after the adjustment is made; and 2. Convert the emission values of NOx, CO and O2 concentrations measured in lb/MMBTU according to the following formula: Lb/MMBTU = ppmvd * MW * F dry factor * O2 correction factor/387,000,000, where: ppmvd is the concentration in parts per million by volume, dry basis, of NOx or CO; MW is the Molecular Weight for NOx=46 lb/lb-mole, CO=28 lb/lb-mole; F Dry factor for: Natural Gas = 8,710 dscf/MMBTU, Residual or fuel oil = 9,190 dscf/MMBTU; O2 correction factor: (20.9%)/(20.9% - O2 measured), where O2 measured is percent oxygen on a dry basis. [N.J.A.C. 7:27-19.16(a)]	Recordkeeping by manual logging of parameter or storing data in a computer data system upon performing combustion adjustment. The permittee shall maintain the following information for each adjustment: 1. The date of the adjustment and the times at which it began and ended; 2. The name, title and affiliation of the person who made the adjustment; 3. The NOx and CO concentrations in the effluent stream, in ppmvd, before and after each actual adjustment was made; 4. The concentration of O2 (in percent dry basis) at which the CO and NOx concentrations were measured; 5. A description of any corrective action taken; 6. Results from any subsequent test performed after taking any corrective action, including concentrations and converted emission values in (lb/MMBTU); and 7. The type and amount of fuel used over the 12 months prior to the annual adjustment. The records must be retained for a minimum of five years and to be made readily accessible to the Department upon request. [N.J.A.C. 7:27-19.16(b)]	Submit a report: within 45 days after the adjustment of the combustion process is completed. The report shall be submitted electronically to: www.njdeponline.com. Instructions for submitting this report online are specified at: http://www.nj.gov/dep/aqpp/adjustment.htm. [N.J.A.C. 7:27-19.16(d)] and. [N.J.A.C. 7:27-19.16(c)]
4	The owner or operator of the adjusted equipment or source operation shall ensure that the operating parameter settings are established and recorded after the combustion process is adjusted and that the adjusted equipment or source operation is maintained to operate consistent with the annual adjustment. [N.J.A.C. 7:27-19.16(e)]	Other: Monitored by the operating parameter settings that are established after the combustion process is adjusted in order to operate consistent with the annual adjustment. [N.J.A.C. 7:27-19.16(e)].	Other: The owner or operator shall record the operating parameter settings that are established after the combustion process is adjusted and retain until the next annual adjustment, to be made readily accessible to the Department upon request. [N.J.A.C. 7:27-19.16(e)].	None.
5	NOx (Total) <= 7.59 lb/hr. [N.J.A.C. 7:27-22.16(a)]	NOx (Total): Monitored by stack emission testing once initially and prior to permit expiration date, based on the average of three Department validated stack test runs. [N.J.A.C. 7:27-22.16(o)]	NOx (Total): Recordkeeping by stack test results upon occurrence of event. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
6	CO <= 0.69 lb/hr. [N.J.A.C. 7:27-22.16(a)]	CO: Monitored by stack emission testing once initially and prior to permit expiration date, based on the average of three Department validated stack test runs. [N.J.A.C. 7:27-22.16(o)]	CO: Recordkeeping by stack test results upon occurrence of event. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]
7	SO2 <= 6.65 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	TSP <= 0.83 lb/hr. [N.J.A.C. 7:27-22.16(a)]	TSP: Monitored by stack emission testing once initially and prior to permit expiration date, based on the average of three Department validated stack test runs. [N.J.A.C. 7:27-22.16(o)]	TSP: Recordkeeping by stack test results upon occurrence of event. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]
9	PM-10 (Total) <= 1.09 lb/hr. [N.J.A.C. 7:27-22.16(a)]	PM-10 (Total): Monitored by stack emission testing once initially and prior to permit expiration date, based on the average of three Department validated stack test runs. [N.J.A.C. 7:27-22.16(o)]	PM-10 (Total): Recordkeeping by stack test results upon occurrence of event. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]
10	Arsenic compounds <= 0.00018 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
11	Chromium (Hexavalent) Emissions <= 0.000117 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
12	Lead compounds <= 0.00021 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
13	Nickel compounds <= 0.012 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
14	Maximum Gross Heat Input <= 20.9 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U6 2030 Gallons Fuel Additive Tank #291 with vapor pressure <= 0.12 psia at standard conditions.**

Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	The permittee shall paint and maintain the external surface of the tank white. [N.J.A.C. 7:27-16.2(b)1i]	None.	None.	None.
2	VOC (Total) <= 0.004 tons/yr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
3	Total Throughput <= 70,000 gal/yr. [N.J.A.C. 7:27-22.16(e)]	Other: Monitored by tank gauging each time the tank contents are transferred.[N.J.A.C. 7:27-22.16(o)].	Total Throughput: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. The permittee shall maintain records of total throughput during each calendar month and during each consecutive 12-month period. [N.J.A.C. 7:27-22.16(o)]	None.
4	Storage tank content is limited to Fuel Additive with a Vapor Pressure <= 0.12 psia @ 70 degrees F. [N.J.A.C. 7:27-22.16(a)]	None.	Vapor Pressure: Recordkeeping by manual logging of parameter or storing data in a computer data system per change of material. The permittee shall maintain records that specify each VOC stored and the vapor pressure of each VOC stored at standard conditions. [N.J.A.C. 7:27-16.2(s)1]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U7 Denatured Ethanol Storage Tank**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	VOC (Total) <= 1.59 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
2	Total Throughput <= 2.1 MMgal/yr. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by tank gauging each time the tank contents are transferred.[N.J.A.C. 7:27-22.16(o)].	Total Throughput: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. The permittee shall maintain records of total throughput during each calendar month and during each consecutive 12-month period. [N.J.A.C. 7:27-22.16(o)]	None.
3	Storage tank contents are limited to non-HAP VOCs with a Vapor Pressure <= 1.76 psia @ 70 degrees F. [N.J.A.C. 7:27-22.16(a)]	None.	Vapor Pressure: Recordkeeping by manual logging of parameter or storing data in a computer data system per change of material. The permittee shall maintain records that specify each VOC stored and the vapor pressure of each VOC stored at standard conditions. [N.J.A.C. 7:27-16.2(s)1]	None.
4	The external surface of the stationary tanks shall be painted and maintained white. [N.J.A.C. 7:27-16.2(b)1i]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U8 Emergency Diesel Fire Pump 353 hp**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Summary of applicable federal regulations: 40 CFR 63 Subpart A 40 CFR 63 Subpart ZZZZ. [None]	None.	None.	None.
2	Opacity <= 20 % , exclusive of visible condensed water vapor, except for a period of not longer than 10 consecutive seconds. [N.J.A.C. 7:27- 3.5]	None.	None.	None.
3	Sulfur Content in Fuel <= 15 ppmw (0.0015% by weight). [N.J.A.C. 7:27-9.2(b)]	Sulfur Content in Fuel: Monitored by review of fuel delivery records per delivery. [N.J.A.C. 7:27-22.16(o)]	Sulfur Content in Fuel: Recordkeeping by invoices / bills of lading / certificate of analysis per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	None.
4	Generator fuel limited to # 2 fuel oil or diesel fuel. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
5	The fire pump shall be located at the facility and produce mechanical power exclusively for use at the facility. This fire pump shall be operated only: 1. During the performance of normal testing and maintenance procedures, including other fire protection equipment, as recommended in writing by the fire pump or fire protection system manufacturer and/or as required in writing by a Federal or State law or regulation, 2. When there is power outage or the primary source of mechanical energy fails because of an emergency, or 3. To provide power to pump water for fire suppression or protection, or in case of flood, and/or sensors detect a loss of pressure in the fire water system, even if there is no power outage and primary source of mechanical energy has not failed. [N.J.A.C. 7:27-22.16(a)] and [N.J.A.C. 7:27-19.1]	None.	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The permittee shall maintain on site and record the following information: For each time the fire pump is specifically operated for testing or maintenance: i. The reason for its operation; ii. The date(s) of operation and the start up and shut down time; iii. The total operating time for testing or maintenance based on the generator's hour meter; and iv. The name of the operator. The permittee shall maintain the above records for a period no less than 5 years after the record was made and shall make the records readily available to the Department or the EPA upon request. [N.J.A.C. 7:27-22.16(o)] and. [N.J.A.C. 7:27-19.11]	None.
6	This fire pump shall not be used: For normal testing and maintenance on days when the Department forecasts air quality anywhere in New Jersey to be "unhealthy for sensitive groups," "unhealthy," or "very unhealthy" as defined in the EPA's Air Quality Index at http://airnow.gov/, as supplemented or amended and incorporated herein by reference, unless required in writing by a Federal or State law or regulation. Procedures for determining the air quality forecasts for New Jersey are available at the Department's air quality permitting web site at http://www.state.nj.us/dep/aqpp/aqforecast. [N.J.A.C. 7:27-19.2(d)]	None.	None.	None.
7	VOC (Total) <= 0.05 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
8	NOx (Total) <= 0.62 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	CO <= 0.13 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
10	TSP <= 0.043 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
11	PM-10 (Total) <= 0.043 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
12	PM-2.5 (Total) <= 0.043 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
13	The permittee shall change oil and filter every 500 hours of operation or annually, whichever comes first, as prescribed in Table 2d, item 4a to Subpart ZZZZ of 40 CFR 63, or the permittee has the option to utilize an oil analysis program as described in 40 CFR 63.6625(i). [40 CFR 63.6603(a)]	None.	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The permittee must keep records of the oil and filter change. Each record must be readily accessible for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR 63.6660(c) and 40 CFR 63.10(b)(1). [40 CFR 63.6655(e)(2)]	None.
14	The permittee shall inspect air cleaner every 1,000 hours of operation or annually, whichever comes first; and inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary, as prescribed in Table 2d, item 4b and 4c to Subpart ZZZZ of 40 CFR 63. [40 CFR 63.6603(a)]	None.	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The permittee must keep records of the maintenance procedures and air cleaner, belt and hoses replacements events. Each record must be readily accessible for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR 63.6660(c) and 40 CFR 63.10(b)(1). [40 CFR 63.6655(e)(2)]	None.
15	The engine must be in compliance with all applicable emission limitations and operating limitations in Subpart ZZZZ of 40 CFR 63 at all times. [40 CFR 63.6605(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
16	At all times the permittee must operate and maintain a RICE including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. [40 CFR 63.6605(b)]	None.	None.	None.
17	The permittee must operate and maintain the stationary RICE and after-treatment control device (if any) according to the manufacturer's emission-related written instructions or the owner or operator must develop a maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions. [40 CFR 63.6625(e)]	None.	Other: The permittee must keep records of the maintenance procedures. Each record must be readily accessible for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR 63.6660(c) and 40 CFR 63.10(b)(1).[40 CFR 63.6655(e)].	None.
18	The permittee must minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes. [40 CFR 63.6625(h)]	None.	None.	None.
19	Hours of Operation <= 100 hr/yr for testing and maintenance. [N.J.A.C. 7:27-22.16(a)]	Hours of Operation: Monitored by hour/time monitor continuously. [N.J.A.C. 7:27-22.16(o)]	Hours of Operation: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation the total operating time from the generator's hour meter. [N.J.A.C. 7:27-19.11(a)1]	None.
20	Hours of Operation <= 100 hr/yr for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. [40 CFR 63.6640(f)(2)(i)]	Other: the permittee must install a non-resettable hour meter if one is not already installed.[40 CFR 63.6625(f)].	Other: the owner or operator must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The owner or operator must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation.[40 CFR 63.6655(f)(2)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
21	The permittee shall comply with the General Provisions as shown in Table 8 to Subpart ZZZZ of 40 CFR 63 that apply to an existing emergency CI RICE constructed or reconstructed before June 12, 2006 and located at an area source of HAP emissions except for a residential, commercial, or institutional emergency stationary RICE. [40 CFR 63.6665]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U8 Emergency Diesel Fire Pump 353 hp**
Operating Scenario: **OS1 Emergency Diesel Fire Pump 353 hp**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Maximum Gross Heat Input <= 2.8 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
2	TSP <= 1.68 lb/hr. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
3	CO <= 2.7 lb/hr based on AP-42 emission factors. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	NOx (Total) <= 12.3 lb/hr based on AP-42 emission factors. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	PM-10 (Total) <= 0.87 lb/hr based on AP-42 emission factors. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	PM-2.5 (Total) <= 0.87 lb/hr based on AP-42 emission factors. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	TSP <= 0.87 lb/hr based on AP-42 emission factors. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	VOC (Total) <= 1.01 lb/hr based on AP-42 emission factors. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

BUCKEYE RARITAN BAY TERMINAL (18054)
BOP160001

New Jersey Department of Environmental Protection
Facility Profile (General)

Facility Name (AIMS): BUCKEYE RARITAN BAY TERMINAL **Facility ID (AIMS):** 18054

Street Address: BUCKEYE RARITAN BAY TERMINAL
577 SMITH ST
PERTH AMBOY CITY, NJ 08861

Mailing Address: 577 SMITH ST
PERTH AMBOY, NJ 08861

State Plane Coordinates:
X-Coordinate:
Y-Coordinate:
Units:
Datum:
Source Org.:
Source Type:

County: Middlesex

Location Description: This facility is located at the corner of Smith St and Convery Blvd, Perth Amboy, NJ

Industry:
Primary SIC:
Secondary SIC:
NAICS: 493190

New Jersey Department of Environmental Protection
Facility Profile (General)

Contact Type: **Air Permit Information Contact**

Organization: Buckeye Pipeline Services Company
Org. Type: LLC

Name: Fran Lindsley-Matthews
NJ EIN:

Title: Sr. Specialist, Air Compliance

Phone: (732) 738-2065 x
Fax: ( ) - x
Other: ( ) - x
Type:
Email: FLindsley-Matthews@buckeye.com

Mailing Address: Buckeye Perth Amboy Terminal
380 Maurer Road
Perth Amboy, NJ 08861

Contact Type: **Consultant**

Organization: Rubicon Environmental
Org. Type: LLC

Name: Martha Maloney
NJ EIN:

Title: Sr. Specialist, Air Compliance

Phone: (804) 629-7869 x
Fax: ( ) - x
Other: ( ) - x
Type:
Email: MMaloney@buckeye.com

Mailing Address:

Contact Type: **Fees/Billing Contact**

Organization: Buckeye Pipe Line Services Company
Org. Type: LLC

Name: Monika Niedbala
NJ EIN:

Title: Specialist HSSE Compliance II

Phone: (732) 692-5220 x
Fax: ( ) - x
Other: ( ) - x
Type:
Email: MNiedbala@buckeye.com

Mailing Address: Port Reading Terminal
750 Cliff Road
750 Cliff Road
Port Reading, NJ 07064

BUCKEYE RARITAN BAY TERMINAL (18054)
BOP160001

New Jersey Department of Environmental Protection
Facility Profile (General)

Contact Type: Operator

Organization: Buckeye Raritan Bay Terminal, LLC
Org. Type: LLC
Name: Michael J. Mattsson
NJ EIN:
Title: Assistant Operations Manager
Phone: (732) 750-7861 x
Fax: ( ) - x
Other: ( ) - x
Type:
Email: mjmattsson@buckeye.com
Mailing Address:

Contact Type: Owner (Current Primary)

Organization:
Org. Type: LLC
Name: Buckeye Raritan Bay Terminal, LLC
NJ EIN:
Title:
Phone: ( ) - x
Fax: ( ) - x
Other: ( ) - x
Type:
Email:
Mailing Address:

Contact Type: Responsible Official

Organization: Buckeye Raritan Bay Terminal
Org. Type: LLC
Name: Michael Mattsson
NJ EIN:
Title: Operations Manager
Phone: (732) 692-5261 x
Fax: ( ) - x
Other: ( ) - x
Type:
Email: MJMattsson@buckeye.com
Mailing Address: Buckeye Port Reading Terminal
750 Cliff Road
Port Reading, NJ 07064

BUCKEYE RARITAN BAY TERMINAL (18054) Date: 06/12/2018
BOP160001

New Jersey Department of Environmental Protection
Non-Source Fugitive Emissions

FG NJID	Description of Activity Causing Emission	Location Description	Reasonable Estimate of Emissions (tpy)								
			VOC (Total)	NOx	CO	SO	TSP (Total)	PM-10	Pb	HAPS (Total)	Other (Total)
FG1	Pumps, valves,seals, connectors, loading arm valves, open-ended lines. (gasoline & distillate)		6.610							0.51000000	
Total			6.610	0.000	0.000	0.000	0.000	0.000	0.000	0.51000000	0.000

BUCKEYE RARITAN BAY TERMINAL (18054)
BOP160001

Date: 6/12/2018

New Jersey Department of Environmental Protection
Insignificant Source Emissions

IS NJID	Source/Group Description	Equipment Type	Location Description	Estimate of Emissions (tpy)								
				VOC (Total)	NOx	CO	SO	TSP	PM-10	Pb	HAPS (Total)	Other (Total)
IS1	Additive and Dye Storage Tanks <10,000 gal w/ VP 0.02 psia	Storage Vessel	Facility Wide	0.081								
Total				0.081	0.000	0.000	0.000	0.000	0.000	0.000	0.00000000	0.000

BUCKEYE RARITAN BAY TERMINAL (18054) Date: 6/12/2018

BOP160001

New Jersey Department of Environmental Protection
Equipment Inventory

Equip. NJID	Facility's Designation	Equipment Description	Equipment Type	Certificate Number	Install Date	Grand-Fathered	Last Mod. (Since 1968)	Equip. Set ID
E1	TANK 0211	INTERNAL FLOATING ROOF STORAGE TANK	Storage Vessel	112083		No	4/7/1993	
E2	TANK 0212	INTERNAL FLOATING ROOF STORAGE TANK	Storage Vessel	112084		No	4/7/1993	
E3	TANK 0213	INTERNAL FLOATING ROOF STORAGE TANK	Storage Vessel	116522		No	4/8/1994	
E4	TANK 0214	INTERNAL FLOATING ROOF STORAGE TANK	Storage Vessel	116523		No	4/8/1994	
E5	TANK 0215	FIXED ROOF TANK	Storage Vessel	P-1968		Yes		
E6	TANK 0216	FIXED ROOF TANK	Storage Vessel	P-1968		Yes		
E7	TANK 0221	INTERNAL FLOATING ROOF STORAGE TANK	Storage Vessel	112085		No	4/7/1993	
E8	TANK 0222	INTERNAL FLOATING ROOF STORAGE TANK	Storage Vessel	112086		No	4/7/1993	
E9	TANK 0223	INTERNAL FLOATING ROOF STORAGE TANK	Storage Vessel	116524		No	4/8/1994	
E10	TANK 0224	INTERNAL FLOATING ROOF STORAGE TANK	Storage Vessel	115525		No	4/8/1994	
E11	TANK 0225	FIXED ROOF TANK	Storage Vessel	128318		No	9/30/1996	
E12	TANK 0226	FIXED ROOF TANK	Storage Vessel	128030		No	9/30/1996	
E13	TANK 0231	FIXED ROOF TANK	Storage Vessel	034782		No	9/7/1977	
E14	TANK 0232	FIXED ROOF TANK	Storage Vessel	034784		No	9/7/1977	
E15	TANK 0233	FIXED ROOF TANK	Storage Vessel	034785		No	9/7/1977	

New Jersey Department of Environmental Protection
Equipment Inventory

Equip. NJID	Facility's Designation	Equipment Description	Equipment Type	Certificate Number	Install Date	Grand-Fathered	Last Mod. (Since 1968)	Equip. Set ID
E16	TANK 0234	FIXED ROOF TANK	Storage Vessel	01970335		No	9/7/1977	
E17	TANK 0235	FIXED ROOF TANK	Storage Vessel	127610		No	9/19/1996	
E18	TANK 0241	FIXED ROOF TANK	Storage Vessel	P-1968		Yes		
E19	TANK 0242	FIXED ROOF TANK	Storage Vessel	P-1968		Yes		
E20	TANK 0243	FIXED ROOF TANK	Storage Vessel	P-1968		Yes		
E21	TANK 0244	FIXED ROOF TANK	Storage Vessel	P-1968		Yes		
E22	TANK 0245	FIXED ROOF TANK	Storage Vessel	P-1968		Yes		
E23	TANK 0246	FIXED ROOF TANK	Storage Vessel	P-1968		Yes		
E24	TANK 0247	FIXED ROOF TANK	Storage Vessel	P-1968		Yes		
E25	TANK 0248	FIXED ROOF TANK	Storage Vessel	P-1968		Yes		
E26	TANK 0249	FIXED ROOF TANK	Storage Vessel	128032		Yes		
E27	TANK 0251	FIXED ROOF TANK	Storage Vessel	P-1968		Yes		
E29	MLO	Marine Loading Operations	Manufacturing and Materials Handling Equipment	BOP030001		No	4/16/1993	
E30	BOILER #1	BOILER - 683 hp	Boiler	063355		No	2/7/1983	
E31	BOILER #2	BOILER - 600 HP	Boiler	P-1968		Yes		
E32	BOILER #3	BOILER - 500 HP	Boiler	P-1968		Yes		
E33	TANK 0291	Diesel additive tank	Storage Vessel	123246		No		
E34	TANK 0297	FIXED ROOF TANK	Storage Vessel	P-1968		Yes		
E35	Tank 0298	Denatured Ethanol Tank	Storage Vessel			No		

BUCKEYE RARITAN BAY TERMINAL (18054) Date: 6/12/2018
BOP160001

New Jersey Department of Environmental Protection
Equipment Inventory

Equip. NJID	Facility's Designation	Equipment Description	Equipment Type	Certificate Number	Install Date	Grand-Fathered	Last Mod. (Since 1968)	Equip. Set ID
E36	TLO	Truck Loading Operations	Manufacturing and Materials Handling Equipment			No	4/16/1993	
E1001	Fire Pump	353 hp Diesel Emergency Fire Pump	Stationary Reciprocating Engine					

18054 BUCKEYE RARITAN BAY TERMINAL BOP160001 E1 (Storage Vessel)
Print Date: 1/31/2018

What type of contents is this storage vessel equipped to contain by design?	Liquids Only
Storage Vessel Type:	Tank
Design Capacity:	9,648,492
Units:	gallons
Ground Location:	Above Ground
Is the Shell of the Equipment Exposed to Sunlight?	Yes
Shell Color:	White
Description (if other):	
Shell Condition:	Light Rust
Paint Condition:	
Shell Construction:	
Is the Shell Insulated?	
Type of Insulation:	
Insulation Thickess (in):	
Thermal Conductivity of Insulation [(BTU)(in)(hr)(ft2)(deg F)]:	
Shape of Storage Vessel:	Cylindrical
Shell Height (From Ground to Roof Bottom) (ft):	
Length (ft):	50.00
Width (ft):	
Diameter (ft):	200.00
Other Dimension	
Description:	
Value:	
Units:	
Fill Method:	Bottom Pipe
Description (if other):	
Maximum Design Fill Rate:	5,600.00
Units:	gal/min
Does the storage vessel have a roof or an open top?	Roof
Roof Type:	Internal floating roof tank
Roof Height (From Roof Bottom to Roof Top) (ft):	
Roof Construction:	
Primary Seal Type:	Mechanical Shoe
Secondary Seal Type:	Rim mounted
Total Number of Seals:	2
Roof Support:	
Does the storage vessel have a Vapor Return Loop?	

18054 BUCKEYE RARITAN BAY TERMINAL BOP160001 E1 (Storage Vessel)
Print Date: 1/31/2018

Does the storage vessel have a Conservation Vent?	
Have you attached a diagram showing the location and/or the configuration of this equipment?	Yes
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	
Comments:	

18054 BUCKEYE RARITAN BAY TERMINAL BOP160001 E2 (Storage Vessel)
Print Date: 1/31/2018

What type of contents is this storage vessel equipped to contain by design?	Liquids Only
Storage Vessel Type:	Tank
Design Capacity:	9,665,796
Units:	gallons
Ground Location:	Above Ground
Is the Shell of the Equipment Exposed to Sunlight?	Yes
Shell Color:	White
Description (if other):	
Shell Condition:	Light Rust
Paint Condition:	
Shell Construction:	
Is the Shell Insulated?	
Type of Insulation:	
Insulation Thickess (in):	
Thermal Conductivity of Insulation [(BTU)(in)(hr)(ft2)(deg F)]:	
Shape of Storage Vessel:	Cylindrical
Shell Height (From Ground to Roof Bottom) (ft):	
Length (ft):	48.00
Width (ft):	
Diameter (ft):	200.00
Other Dimension	
Description:	
Value:	
Units:	
Fill Method:	Bottom Pipe
Description (if other):	
Maximum Design Fill Rate:	5,600.00
Units:	gal/min
Does the storage vessel have a roof or an open top?	Roof
Roof Type:	Internal floating roof tank
Roof Height (From Roof Bottom to Roof Top) (ft):	
Roof Construction:	
Primary Seal Type:	Mechanical Shoe
Secondary Seal Type:	Rim mounted
Total Number of Seals:	2
Roof Support:	
Does the storage vessel have a Vapor Return Loop?	
Does the storage vessel	

18054 BUCKEYE RARITAN BAY TERMINAL BOP160001 E2 (Storage Vessel)
Print Date: 1/31/2018

Does the storage vessel have a Conservation Vent?	
Have you attached a diagram showing the location and/or the configuration of this equipment?	Yes
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	
Comments:	

18054 BUCKEYE RARITAN BAY TERMINAL BOP160001 E3 (Storage Vessel)
Print Date: 1/31/2018

What type of contents is this storage vessel equipped to contain by design?	Liquids Only
Storage Vessel Type:	Tank
Design Capacity:	10,458,000
Units:	gallons
Ground Location:	Above Ground
Is the Shell of the Equipment Exposed to Sunlight?	Yes
Shell Color:	White
Description (if other):	
Shell Condition:	Light Rust
Paint Condition:	
Shell Construction:	
Is the Shell Insulated?	
Type of Insulation:	
Insulation Thickess (in):	
Thermal Conductivity of Insulation [(BTU)(in)(hr)(ft2)(deg F)]:	
Shape of Storage Vessel:	Cylindrical
Shell Height (From Ground to Roof Bottom) (ft):	
Length (ft):	49.00
Width (ft):	
Diameter (ft):	200.00
Other Dimension	
Description:	
Value:	
Units:	
Fill Method:	Bottom Pipe
Description (if other):	
Maximum Design Fill Rate:	5,600.00
Units:	gal/min
Does the storage vessel have a roof or an open top?	Roof
Roof Type:	Internal floating roof tank
Roof Height (From Roof Bottom to Roof Top) (ft):	
Roof Construction:	
Primary Seal Type:	Mechanical Shoe
Secondary Seal Type:	Rim mounted
Total Number of Seals:	2
Roof Support:	
Does the storage vessel have a Vapor Return Loop?	
Does the storage vessel	

18054 BUCKEYE RARITAN BAY TERMINAL BOP160001 E3 (Storage Vessel)
Print Date: 1/31/2018

Does the storage vessel have a Conservation Vent?	
Have you attached a diagram showing the location and/or the configuration of this equipment?	Yes
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	

Comments:

18054 BUCKEYE RARITAN BAY TERMINAL BOP160001 E4 (Storage Vessel)
Print Date: 1/31/2018

What type of contents is this storage vessel equipped to contain by design?	Liquids Only
Storage Vessel Type:	Tank
Design Capacity:	10,458,000
Units:	gallons
Ground Location:	Above Ground
Is the Shell of the Equipment Exposed to Sunlight?	Yes
Shell Color:	White
Description (if other):	
Shell Condition:	Light Rust
Paint Condition:	
Shell Construction:	
Is the Shell Insulated?	
Type of Insulation:	
Insulation Thickess (in):	
Thermal Conductivity of Insulation [(BTU)(in)(hr)(ft2)(deg F)]:	
Shape of Storage Vessel:	Cylindrical
Shell Height (From Ground to Roof Bottom) (ft):	
Length (ft):	49.00
Width (ft):	
Diameter (ft):	200.00
Other Dimension	
Description:	
Value:	
Units:	
Fill Method:	Bottom Pipe
Description (if other):	
Maximum Design Fill Rate:	5,600.00
Units:	gal/min
Does the storage vessel have a roof or an open top?	Roof
Roof Type:	Internal floating roof tank
Roof Height (From Roof Bottom to Roof Top) (ft):	
Roof Construction:	
Primary Seal Type:	Mechanical Shoe
Secondary Seal Type:	Rim mounted
Total Number of Seals:	2
Roof Support:	
Does the storage vessel have a Vapor Return Loop?	

18054 BUCKEYE RARITAN BAY TERMINAL BOP160001 E4 (Storage Vessel)
Print Date: 1/31/2018

Does the storage vessel have a Conservation Vent?	
Have you attached a diagram showing the location and/or the configuration of this equipment?	Yes
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	
Comments:	

18054 BUCKEYE RARITAN BAY TERMINAL BOP160001 E5 (Storage Vessel)
Print Date: 1/31/2018

What type of contents is this storage vessel equipped to contain by design?	Liquids Only
Storage Vessel Type:	Tank
Design Capacity:	10,102,386
Units:	gallons
Ground Location:	Above Ground
Is the Shell of the Equipment Exposed to Sunlight?	Yes
Shell Color:	Other
Description (if other):	green
Shell Condition:	
Paint Condition:	
Shell Construction:	
Is the Shell Insulated?	
Type of Insulation:	
Insulation Thickess (in):	
Thermal Conductivity of Insulation [(BTU)(in)(hr)(ft2)(deg F)]:	
Shape of Storage Vessel:	Cylindrical
Shell Height (From Ground to Roof Bottom) (ft):	45.00
Length (ft):	
Width (ft):	
Diameter (ft):	200.00
Other Dimension	
Description:	
Value:	
Units:	
Fill Method:	Submerged
Description (if other):	
Maximum Design Fill Rate:	5,600.00
Units:	gal/min
Does the storage vessel have a roof or an open top?	Roof
Roof Type:	Vertical fixed roof tank
Roof Height (From Roof Bottom to Roof Top) (ft):	
Roof Construction:	
Primary Seal Type:	
Secondary Seal Type:	
Total Number of Seals:	
Roof Support:	
Does the storage vessel have a Vapor Return Loop?	

18054 BUCKEYE RARITAN BAY TERMINAL BOP160001 E5 (Storage Vessel)
Print Date: 1/31/2018

Does the storage vessel have a Conservation Vent?	
Have you attached a diagram showing the location and/or the configuration of this equipment?	Yes
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	
Comments:	

18054 BUCKEYE RARITAN BAY TERMINAL BOP160001 E6 (Storage Vessel)
Print Date: 1/31/2018

What type of contents is this storage vessel equipped to contain by design?	Liquids Only
Storage Vessel Type:	Tank
Design Capacity:	10,054,296
Units:	gallons
Ground Location:	Above Ground
Is the Shell of the Equipment Exposed to Sunlight?	Yes
Shell Color:	Other
Description (if other):	green
Shell Condition:	
Paint Condition:	
Shell Construction:	
Is the Shell Insulated?	
Type of Insulation:	
Insulation Thickess (in):	
Thermal Conductivity of Insulation [(BTU)(in)(hr)(ft2)(deg F)]:	
Shape of Storage Vessel:	Cylindrical
Shell Height (From Ground to Roof Bottom) (ft):	45.00
Length (ft):	
Width (ft):	
Diameter (ft):	200.00
Other Dimension	
Description:	
Value:	
Units:	
Fill Method:	Submerged
Description (if other):	
Maximum Design Fill Rate:	5,600.00
Units:	gal/min
Does the storage vessel have a roof or an open top?	Roof
Roof Type:	Vertical fixed roof tank
Roof Height (From Roof Bottom to Roof Top) (ft):	
Roof Construction:	
Primary Seal Type:	
Secondary Seal Type:	
Total Number of Seals:	
Roof Support:	
Does the storage vessel have a Vapor Return Loop?	

18054 BUCKEYE RARITAN BAY TERMINAL BOP160001 E6 (Storage Vessel)
Print Date: 1/31/2018

Does the storage vessel have a Conservation Vent?	
Have you attached a diagram showing the location and/or the configuration of this equipment?	Yes
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	

Comments:

18054 BUCKEYE RARITAN BAY TERMINAL BOP160001 E7 (Storage Vessel)
Print Date: 1/31/2018

What type of contents is this storage vessel equipped to contain by design?	Liquids Only
Storage Vessel Type:	Tank
Design Capacity:	10,483,998
Units:	gallons
Ground Location:	Above Ground
Is the Shell of the Equipment Exposed to Sunlight?	Yes
Shell Color:	White
Description (if other):	
Shell Condition:	Light Rust
Paint Condition:	
Shell Construction:	
Is the Shell Insulated?	
Type of Insulation:	
Insulation Thickess (in):	
Thermal Conductivity of Insulation [(BTU)(in)(hr)(ft2)(deg F)]:	
Shape of Storage Vessel:	Cylindrical
Shell Height (From Ground to Roof Bottom) (ft):	
Length (ft):	50.00
Width (ft):	
Diameter (ft):	200.00
Other Dimension	
Description:	
Value:	
Units:	
Fill Method:	Bottom Pipe
Description (if other):	
Maximum Design Fill Rate:	5,600.00
Units:	gal/min
Does the storage vessel have a roof or an open top?	Roof
Roof Type:	Internal floating roof tank
Roof Height (From Roof Bottom to Roof Top) (ft):	
Roof Construction:	
Primary Seal Type:	Mechanical Shoe
Secondary Seal Type:	Rim mounted
Total Number of Seals:	2
Roof Support:	
Does the storage vessel have a Vapor Return Loop?	
Does the storage vessel	

18054 BUCKEYE RARITAN BAY TERMINAL BOP160001 E7 (Storage Vessel)
Print Date: 1/31/2018

Does the storage vessel have a Conservation Vent?	
Have you attached a diagram showing the location and/or the configuration of this equipment?	Yes
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	
Comments:	

18054 BUCKEYE RARITAN BAY TERMINAL BOP160001 E8 (Storage Vessel)
Print Date: 1/31/2018

What type of contents is this storage vessel equipped to contain by design?	Liquids Only
Storage Vessel Type:	Tank
Design Capacity:	10,443,804
Units:	gallons
Ground Location:	Above Ground
Is the Shell of the Equipment Exposed to Sunlight?	Yes
Shell Color:	White
Description (if other):	
Shell Condition:	Light Rust
Paint Condition:	
Shell Construction:	
Is the Shell Insulated?	
Type of Insulation:	
Insulation Thickess (in):	
Thermal Conductivity of Insulation [(BTU)(in)(hr)(ft2)(deg F)]:	
Shape of Storage Vessel:	Cylindrical
Shell Height (From Ground to Roof Bottom) (ft):	
Length (ft):	49.00
Width (ft):	
Diameter (ft):	200.00
Other Dimension	
Description:	
Value:	
Units:	
Fill Method:	Bottom Pipe
Description (if other):	
Maximum Design Fill Rate:	4,900.00
Units:	gal/min
Does the storage vessel have a roof or an open top?	Roof
Roof Type:	Internal floating roof tank
Roof Height (From Roof Bottom to Roof Top) (ft):	
Roof Construction:	
Primary Seal Type:	Mechanical Shoe
Secondary Seal Type:	Rim mounted
Total Number of Seals:	2
Roof Support:	
Does the storage vessel have a Vapor Return Loop?	

18054 BUCKEYE RARITAN BAY TERMINAL BOP160001 E8 (Storage Vessel)
Print Date: 1/31/2018

Does the storage vessel have a Conservation Vent?	
Have you attached a diagram showing the location and/or the configuration of this equipment?	Yes
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	
Comments:	

18054 BUCKEYE RARITAN BAY TERMINAL BOP160001 E9 (Storage Vessel)
Print Date: 1/31/2018

What type of contents is this storage vessel equipped to contain by design?	Liquids Only
Storage Vessel Type:	Tank
Design Capacity:	10,458,000
Units:	gallons
Ground Location:	Above Ground
Is the Shell of the Equipment Exposed to Sunlight?	Yes
Shell Color:	White
Description (if other):	
Shell Condition:	Light Rust
Paint Condition:	
Shell Construction:	
Is the Shell Insulated?	
Type of Insulation:	
Insulation Thickess (in):	
Thermal Conductivity of Insulation [(BTU)(in)(hr)(ft2)(deg F)]:	
Shape of Storage Vessel:	Cylindrical
Shell Height (From Ground to Roof Bottom) (ft):	
Length (ft):	49.00
Width (ft):	
Diameter (ft):	200.00
Other Dimension	
Description:	
Value:	
Units:	
Fill Method:	Bottom Pipe
Description (if other):	
Maximum Design Fill Rate:	5,600.00
Units:	gal/min
Does the storage vessel have a roof or an open top?	Roof
Roof Type:	Internal floating roof tank
Roof Height (From Roof Bottom to Roof Top) (ft):	
Roof Construction:	
Primary Seal Type:	Mechanical Shoe
Secondary Seal Type:	Rim mounted
Total Number of Seals:	2
Roof Support:	
Does the storage vessel have a Vapor Return Loop?	

18054 BUCKEYE RARITAN BAY TERMINAL BOP160001 E9 (Storage Vessel)
Print Date: 1/31/2018

Does the storage vessel have a Conservation Vent?	
Have you attached a diagram showing the location and/or the configuration of this equipment?	Yes
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	

Comments:

18054 BUCKEYE RARITAN BAY TERMINAL BOP160001 E10 (Storage Vessel)
Print Date: 1/31/2018

What type of contents is this storage vessel equipped to contain by design?	Liquids Only
Storage Vessel Type:	Tank
Design Capacity:	10,458,000
Units:	gallons
Ground Location:	Above Ground
Is the Shell of the Equipment Exposed to Sunlight?	Yes
Shell Color:	White
Description (if other):	
Shell Condition:	Light Rust
Paint Condition:	
Shell Construction:	
Is the Shell Insulated?	
Type of Insulation:	
Insulation Thickess (in):	
Thermal Conductivity of Insulation [(BTU)(in)(hr)(ft2)(deg F)]:	
Shape of Storage Vessel:	Cylindrical
Shell Height (From Ground to Roof Bottom) (ft):	
Length (ft):	49.00
Width (ft):	
Diameter (ft):	200.00
Other Dimension	
Description:	
Value:	
Units:	
Fill Method:	Bottom Pipe
Description (if other):	
Maximum Design Fill Rate:	5,600.00
Units:	gal/min
Does the storage vessel have a roof or an open top?	Roof
Roof Type:	Internal floating roof tank
Roof Height (From Roof Bottom to Roof Top) (ft):	
Roof Construction:	
Primary Seal Type:	Mechanical Shoe
Secondary Seal Type:	Rim mounted
Total Number of Seals:	2
Roof Support:	
Does the storage vessel have a Vapor Return Loop?	

18054 BUCKEYE RARITAN BAY TERMINAL BOP160001 E10 (Storage Vessel)
Print Date: 1/31/2018

Does the storage vessel have a Conservation Vent?	
Have you attached a diagram showing the location and/or the configuration of this equipment?	Yes
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	
Comments:	

18054 BUCKEYE RARITAN BAY TERMINAL BOP160001 E11 (Storage Vessel)
Print Date: 1/31/2018

What type of contents is this storage vessel equipped to contain by design?	Liquids Only
Storage Vessel Type:	Tank
Design Capacity:	10,139,514
Units:	gallons
Ground Location:	Above Ground
Is the Shell of the Equipment Exposed to Sunlight?	Yes
Shell Color:	Other
Description (if other):	green
Shell Condition:	
Paint Condition:	
Shell Construction:	
Is the Shell Insulated?	
Type of Insulation:	
Insulation Thickess (in):	
Thermal Conductivity of Insulation [(BTU)(in)(hr)(ft2)(deg F)]:	
Shape of Storage Vessel:	Cylindrical
Shell Height (From Ground to Roof Bottom) (ft):	45.00
Length (ft):	
Width (ft):	
Diameter (ft):	200.00
Other Dimension	
Description:	
Value:	
Units:	
Fill Method:	Submerged
Description (if other):	
Maximum Design Fill Rate:	5,600.00
Units:	gal/min
Does the storage vessel have a roof or an open top?	Roof
Roof Type:	Vertical fixed roof tank
Roof Height (From Roof Bottom to Roof Top) (ft):	
Roof Construction:	
Primary Seal Type:	
Secondary Seal Type:	
Total Number of Seals:	
Roof Support:	
Does the storage vessel have a Vapor Return Loop?	

18054 BUCKEYE RARITAN BAY TERMINAL BOP160001 E11 (Storage Vessel)
Print Date: 1/31/2018

Does the storage vessel have a Conservation Vent?	
Have you attached a diagram showing the location and/or the configuration of this equipment?	Yes
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	
Comments:	

18054 BUCKEYE RARITAN BAY TERMINAL BOP160001 E12 (Storage Vessel)
Print Date: 1/31/2018

What type of contents is this storage vessel equipped to contain by design?	Liquids Only
Storage Vessel Type:	Tank
Design Capacity:	10,038,462
Units:	gallons
Ground Location:	Above Ground
Is the Shell of the Equipment Exposed to Sunlight?	Yes
Shell Color:	Other
Description (if other):	green
Shell Condition:	
Paint Condition:	
Shell Construction:	
Is the Shell Insulated?	
Type of Insulation:	
Insulation Thickess (in):	
Thermal Conductivity of Insulation [(BTU)(in)(hr)(ft2)(deg F)]:	
Shape of Storage Vessel:	Cylindrical
Shell Height (From Ground to Roof Bottom) (ft):	45.00
Length (ft):	
Width (ft):	
Diameter (ft):	200.00
Other Dimension	
Description:	
Value:	
Units:	
Fill Method:	Submerged
Description (if other):	
Maximum Design Fill Rate:	5,600.00
Units:	gal/min
Does the storage vessel have a roof or an open top?	Roof
Roof Type:	Vertical fixed roof tank
Roof Height (From Roof Bottom to Roof Top) (ft):	
Roof Construction:	
Primary Seal Type:	
Secondary Seal Type:	
Total Number of Seals:	
Roof Support:	
Does the storage vessel have a Vapor Return Loop?	

18054 BUCKEYE RARITAN BAY TERMINAL BOP160001 E12 (Storage Vessel)
Print Date: 1/31/2018

Does the storage vessel have a Conservation Vent?	
Have you attached a diagram showing the location and/or the configuration of this equipment?	Yes
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	
Comments:	

18054 BUCKEYE RARITAN BAY TERMINAL BOP160001 E13 (Storage Vessel)
Print Date: 1/31/2018

What type of contents is this storage vessel equipped to contain by design?	Liquids Only
Storage Vessel Type:	Tank
Design Capacity:	3,885,546
Units:	gallons
Ground Location:	Above Ground
Is the Shell of the Equipment Exposed to Sunlight?	Yes
Shell Color:	White
Description (if other):	
Shell Condition:	
Paint Condition:	
Shell Construction:	
Is the Shell Insulated?	
Type of Insulation:	
Insulation Thickess (in):	
Thermal Conductivity of Insulation [(BTU)(in)(hr)(ft2)(deg F)]:	
Shape of Storage Vessel:	Cylindrical
Shell Height (From Ground to Roof Bottom) (ft):	48.00
Length (ft):	
Width (ft):	
Diameter (ft):	120.00
Other Dimension	
Description:	
Value:	
Units:	
Fill Method:	Submerged
Description (if other):	
Maximum Design Fill Rate:	5,600.00
Units:	gal/min
Does the storage vessel have a roof or an open top?	Roof
Roof Type:	Vertical fixed roof tank
Roof Height (From Roof Bottom to Roof Top) (ft):	
Roof Construction:	
Primary Seal Type:	
Secondary Seal Type:	
Total Number of Seals:	
Roof Support:	
Does the storage vessel have a Vapor Return Loop?	
Does the storage vessel	

18054 BUCKEYE RARITAN BAY TERMINAL BOP160001 E13 (Storage Vessel)
Print Date: 1/31/2018

Does the storage vessel have a Conservation Vent?	
Have you attached a diagram showing the location and/or the configuration of this equipment?	Yes
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	
Comments:	

18054 BUCKEYE RARITAN BAY TERMINAL BOP160001 E14 (Storage Vessel)
Print Date: 1/31/2018

What type of contents is this storage vessel equipped to contain by design?	Liquids Only
Storage Vessel Type:	Tank
Design Capacity:	3,900,918
Units:	gallons
Ground Location:	Above Ground
Is the Shell of the Equipment Exposed to Sunlight?	Yes
Shell Color:	White
Description (if other):	
Shell Condition:	
Paint Condition:	
Shell Construction:	
Is the Shell Insulated?	
Type of Insulation:	
Insulation Thickess (in):	
Thermal Conductivity of Insulation [(BTU)(in)(hr)(ft2)(deg F)]:	
Shape of Storage Vessel:	Cylindrical
Shell Height (From Ground to Roof Bottom) (ft):	48.00
Length (ft):	
Width (ft):	
Diameter (ft):	120.00
Other Dimension	
Description:	
Value:	
Units:	
Fill Method:	Bottom Pipe
Description (if other):	
Maximum Design Fill Rate:	5,600.00
Units:	gal/min
Does the storage vessel have a roof or an open top?	Roof
Roof Type:	Vertical fixed roof tank
Roof Height (From Roof Bottom to Roof Top) (ft):	
Roof Construction:	
Primary Seal Type:	
Secondary Seal Type:	
Total Number of Seals:	
Roof Support:	
Does the storage vessel have a Vapor Return Loop?	

18054 BUCKEYE RARITAN BAY TERMINAL BOP160001 E14 (Storage Vessel)
Print Date: 1/31/2018

Does the storage vessel have a Conservation Vent?	
Have you attached a diagram showing the location and/or the configuration of this equipment?	Yes
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	
Comments:	

18054 BUCKEYE RARITAN BAY TERMINAL BOP160001 E15 (Storage Vessel)
Print Date: 1/31/2018

What type of contents is this storage vessel equipped to contain by design?	Liquids Only
Storage Vessel Type:	Tank
Design Capacity:	6,867,882
Units:	gallons
Ground Location:	Above Ground
Is the Shell of the Equipment Exposed to Sunlight?	Yes
Shell Color:	White
Description (if other):	
Shell Condition:	
Paint Condition:	
Shell Construction:	
Is the Shell Insulated?	
Type of Insulation:	
Insulation Thickess (in):	
Thermal Conductivity of Insulation [(BTU)(in)(hr)(ft2)(deg F)]:	
Shape of Storage Vessel:	Cylindrical
Shell Height (From Ground to Roof Bottom) (ft):	48.00
Length (ft):	
Width (ft):	
Diameter (ft):	160.00
Other Dimension	
Description:	
Value:	
Units:	
Fill Method:	Bottom Pipe
Description (if other):	
Maximum Design Fill Rate:	5,600.00
Units:	gal/min
Does the storage vessel have a roof or an open top?	Roof
Roof Type:	Vertical fixed roof tank
Roof Height (From Roof Bottom to Roof Top) (ft):	
Roof Construction:	
Primary Seal Type:	
Secondary Seal Type:	
Total Number of Seals:	
Roof Support:	
Does the storage vessel have a Vapor Return Loop?	

18054 BUCKEYE RARITAN BAY TERMINAL BOP160001 E15 (Storage Vessel)
Print Date: 1/31/2018

Does the storage vessel have a Conservation Vent?	
Have you attached a diagram showing the location and/or the configuration of this equipment?	Yes
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	
Comments:	

18054 BUCKEYE RARITAN BAY TERMINAL BOP160001 E16 (Storage Vessel)
Print Date: 1/31/2018

What type of contents is this storage vessel equipped to contain by design?	Liquids Only
Storage Vessel Type:	Tank
Design Capacity:	6,883,212
Units:	gallons
Ground Location:	Above Ground
Is the Shell of the Equipment Exposed to Sunlight?	Yes
Shell Color:	White
Description (if other):	
Shell Condition:	
Paint Condition:	
Shell Construction:	
Is the Shell Insulated?	
Type of Insulation:	
Insulation Thickess (in):	
Thermal Conductivity of Insulation [(BTU)(in)(hr)(ft2)(deg F)]:	
Shape of Storage Vessel:	Cylindrical
Shell Height (From Ground to Roof Bottom) (ft):	48.00
Length (ft):	
Width (ft):	
Diameter (ft):	160.00
Other Dimension	
Description:	
Value:	
Units:	
Fill Method:	Bottom Pipe
Description (if other):	
Maximum Design Fill Rate:	5,600.00
Units:	gal/min
Does the storage vessel have a roof or an open top?	Roof
Roof Type:	Vertical fixed roof tank
Roof Height (From Roof Bottom to Roof Top) (ft):	
Roof Construction:	
Primary Seal Type:	
Secondary Seal Type:	
Total Number of Seals:	
Roof Support:	
Does the storage vessel have a Vapor Return Loop?	

18054 BUCKEYE RARITAN BAY TERMINAL BOP160001 E16 (Storage Vessel)
Print Date: 1/31/2018

Does the storage vessel have a Conservation Vent?	
Have you attached a diagram showing the location and/or the configuration of this equipment?	Yes
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	
Comments:	

18054 BUCKEYE RARITAN BAY TERMINAL BOP160001 E17 (Storage Vessel)
Print Date: 1/31/2018

What type of contents is this storage vessel equipped to contain by design?	Liquids Only
Storage Vessel Type:	Tank
Design Capacity:	6,925,170
Units:	gallons
Ground Location:	Above Ground
Is the Shell of the Equipment Exposed to Sunlight?	Yes
Shell Color:	White
Description (if other):	
Shell Condition:	
Paint Condition:	
Shell Construction:	
Is the Shell Insulated?	
Type of Insulation:	
Insulation Thickess (in):	
Thermal Conductivity of Insulation [(BTU)(in)(hr)(ft2)(deg F)]:	
Shape of Storage Vessel:	Cylindrical
Shell Height (From Ground to Roof Bottom) (ft):	48.00
Length (ft):	
Width (ft):	
Diameter (ft):	160.00
Other Dimension	
Description:	
Value:	
Units:	
Fill Method:	Bottom Pipe
Description (if other):	
Maximum Design Fill Rate:	5,600.00
Units:	gal/min
Does the storage vessel have a roof or an open top?	Roof
Roof Type:	Vertical fixed roof tank
Roof Height (From Roof Bottom to Roof Top) (ft):	
Roof Construction:	
Primary Seal Type:	
Secondary Seal Type:	
Total Number of Seals:	
Roof Support:	
Does the storage vessel have a Vapor Return Loop?	

18054 BUCKEYE RARITAN BAY TERMINAL BOP160001 E17 (Storage Vessel)
Print Date: 1/31/2018

Does the storage vessel have a Conservation Vent?	
Have you attached a diagram showing the location and/or the configuration of this equipment?	Yes
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	
Comments:	

18054 BUCKEYE RARITAN BAY TERMINAL BOP160001 E18 (Storage Vessel)
Print Date: 1/31/2018

What type of contents is this storage vessel equipped to contain by design?	Liquids Only
Storage Vessel Type:	Tank
Design Capacity:	6,033,426
Units:	gallons
Ground Location:	Above Ground
Is the Shell of the Equipment Exposed to Sunlight?	Yes
Shell Color:	Other
Description (if other):	green
Shell Condition:	
Paint Condition:	
Shell Construction:	
Is the Shell Insulated?	
Type of Insulation:	
Insulation Thickess (in):	
Thermal Conductivity of Insulation [(BTU)(in)(hr)(ft2)(deg F)]:	
Shape of Storage Vessel:	Cylindrical
Shell Height (From Ground to Roof Bottom) (ft):	48.00
Length (ft):	
Width (ft):	
Diameter (ft):	150.00
Other Dimension	
Description:	
Value:	
Units:	
Fill Method:	Submerged
Description (if other):	
Maximum Design Fill Rate:	5,600.00
Units:	gal/min
Does the storage vessel have a roof or an open top?	Roof
Roof Type:	Vertical fixed roof tank
Roof Height (From Roof Bottom to Roof Top) (ft):	
Roof Construction:	
Primary Seal Type:	
Secondary Seal Type:	
Total Number of Seals:	
Roof Support:	
Does the storage vessel have a Vapor Return Loop?	

18054 BUCKEYE RARITAN BAY TERMINAL BOP160001 E18 (Storage Vessel)
Print Date: 1/31/2018

Does the storage vessel have a Conservation Vent?	
Have you attached a diagram showing the location and/or the configuration of this equipment?	Yes
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	
Comments:	

18054 BUCKEYE RARITAN BAY TERMINAL BOP160001 E19 (Storage Vessel)
Print Date: 1/31/2018

What type of contents is this storage vessel equipped to contain by design?	Liquids Only
Storage Vessel Type:	Tank
Design Capacity:	6,010,116
Units:	gallons
Ground Location:	Above Ground
Is the Shell of the Equipment Exposed to Sunlight?	Yes
Shell Color:	Other
Description (if other):	green
Shell Condition:	
Paint Condition:	
Shell Construction:	
Is the Shell Insulated?	
Type of Insulation:	
Insulation Thickess (in):	
Thermal Conductivity of Insulation [(BTU)(in)(hr)(ft2)(deg F)]:	
Shape of Storage Vessel:	Cylindrical
Shell Height (From Ground to Roof Bottom) (ft):	48.00
Length (ft):	
Width (ft):	
Diameter (ft):	150.00
Other Dimension	
Description:	
Value:	
Units:	
Fill Method:	Submerged
Description (if other):	
Maximum Design Fill Rate:	5,600.00
Units:	gal/min
Does the storage vessel have a roof or an open top?	Roof
Roof Type:	Vertical fixed roof tank
Roof Height (From Roof Bottom to Roof Top) (ft):	
Roof Construction:	
Primary Seal Type:	
Secondary Seal Type:	
Total Number of Seals:	
Roof Support:	
Does the storage vessel have a Vapor Return Loop?	

18054 BUCKEYE RARITAN BAY TERMINAL BOP160001 E19 (Storage Vessel)
Print Date: 1/31/2018

Does the storage vessel have a Conservation Vent?	
Have you attached a diagram showing the location and/or the configuration of this equipment?	Yes
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	
Comments:	

18054 BUCKEYE RARITAN BAY TERMINAL BOP160001 E20 (Storage Vessel)
Print Date: 1/31/2018

What type of contents is this storage vessel equipped to contain by design?	Liquids Only
Storage Vessel Type:	Tank
Design Capacity:	6,067,110
Units:	gallons
Ground Location:	Above Ground
Is the Shell of the Equipment Exposed to Sunlight?	Yes
Shell Color:	Other
Description (if other):	green
Shell Condition:	
Paint Condition:	
Shell Construction:	
Is the Shell Insulated?	
Type of Insulation:	
Insulation Thickess (in):	
Thermal Conductivity of Insulation [(BTU)(in)(hr)(ft2)(deg F)]:	
Shape of Storage Vessel:	Cylindrical
Shell Height (From Ground to Roof Bottom) (ft):	48.00
Length (ft):	
Width (ft):	
Diameter (ft):	150.00
Other Dimension	
Description:	
Value:	
Units:	
Fill Method:	Submerged
Description (if other):	
Maximum Design Fill Rate:	5,600.00
Units:	gal/min
Does the storage vessel have a roof or an open top?	Roof
Roof Type:	Vertical fixed roof tank
Roof Height (From Roof Bottom to Roof Top) (ft):	
Roof Construction:	
Primary Seal Type:	
Secondary Seal Type:	
Total Number of Seals:	
Roof Support:	
Does the storage vessel have a Vapor Return Loop?	

18054 BUCKEYE RARITAN BAY TERMINAL BOP160001 E20 (Storage Vessel)
Print Date: 1/31/2018

Does the storage vessel have a Conservation Vent?	
Have you attached a diagram showing the location and/or the configuration of this equipment?	Yes
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	
Comments:	

18054 BUCKEYE RARITAN BAY TERMINAL BOP160001 E21 (Storage Vessel)
Print Date: 1/31/2018

What type of contents is this storage vessel equipped to contain by design?	Liquids Only
Storage Vessel Type:	Tank
Design Capacity:	6,055,770
Units:	gallons
Ground Location:	Above Ground
Is the Shell of the Equipment Exposed to Sunlight?	Yes
Shell Color:	Other
Description (if other):	green
Shell Condition:	
Paint Condition:	
Shell Construction:	
Is the Shell Insulated?	
Type of Insulation:	
Insulation Thickess (in):	
Thermal Conductivity of Insulation [(BTU)(in)(hr)(ft2)(deg F)]:	
Shape of Storage Vessel:	Cylindrical
Shell Height (From Ground to Roof Bottom) (ft):	48.00
Length (ft):	
Width (ft):	
Diameter (ft):	150.00
Other Dimension	
Description:	
Value:	
Units:	
Fill Method:	Submerged
Description (if other):	
Maximum Design Fill Rate:	5,600.00
Units:	gal/min
Does the storage vessel have a roof or an open top?	Roof
Roof Type:	Vertical fixed roof tank
Roof Height (From Roof Bottom to Roof Top) (ft):	
Roof Construction:	
Primary Seal Type:	
Secondary Seal Type:	
Total Number of Seals:	
Roof Support:	
Does the storage vessel have a Vapor Return Loop?	

18054 BUCKEYE RARITAN BAY TERMINAL BOP160001 E21 (Storage Vessel)
Print Date: 1/31/2018

Does the storage vessel have a Conservation Vent?	
Have you attached a diagram showing the location and/or the configuration of this equipment?	Yes
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	
Comments:	

18054 BUCKEYE RARITAN BAY TERMINAL BOP160001 E22 (Storage Vessel)
Print Date: 1/31/2018

What type of contents is this storage vessel equipped to contain by design?	Liquids Only
Storage Vessel Type:	Tank
Design Capacity:	6,004,068
Units:	gallons
Ground Location:	Above Ground
Is the Shell of the Equipment Exposed to Sunlight?	Yes
Shell Color:	Other
Description (if other):	green
Shell Condition:	
Paint Condition:	
Shell Construction:	
Is the Shell Insulated?	
Type of Insulation:	
Insulation Thickess (in):	
Thermal Conductivity of Insulation [(BTU)(in)(hr)(ft2)(deg F)]:	
Shape of Storage Vessel:	Cylindrical
Shell Height (From Ground to Roof Bottom) (ft):	48.00
Length (ft):	
Width (ft):	
Diameter (ft):	150.00
Other Dimension	
Description:	
Value:	
Units:	
Fill Method:	Submerged
Description (if other):	
Maximum Design Fill Rate:	5,600.00
Units:	gal/min
Does the storage vessel have a roof or an open top?	Roof
Roof Type:	Vertical fixed roof tank
Roof Height (From Roof Bottom to Roof Top) (ft):	
Roof Construction:	
Primary Seal Type:	
Secondary Seal Type:	
Total Number of Seals:	
Roof Support:	
Does the storage vessel have a Vapor Return Loop?	
Does the storage vessel	

18054 BUCKEYE RARITAN BAY TERMINAL BOP160001 E22 (Storage Vessel)
Print Date: 1/31/2018

Does the storage vessel have a Conservation Vent?	
Have you attached a diagram showing the location and/or the configuration of this equipment?	Yes
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	
Comments:	

18054 BUCKEYE RARITAN BAY TERMINAL BOP160001 E23 (Storage Vessel)
Print Date: 1/31/2018

What type of contents is this storage vessel equipped to contain by design?	Liquids Only
Storage Vessel Type:	Tank
Design Capacity:	5,975,844
Units:	gallons
Ground Location:	Above Ground
Is the Shell of the Equipment Exposed to Sunlight?	Yes
Shell Color:	Other
Description (if other):	green
Shell Condition:	
Paint Condition:	
Shell Construction:	
Is the Shell Insulated?	
Type of Insulation:	
Insulation Thickess (in):	
Thermal Conductivity of Insulation [(BTU)(in)(hr)(ft2)(deg F)]:	
Shape of Storage Vessel:	Cylindrical
Shell Height (From Ground to Roof Bottom) (ft):	48.00
Length (ft):	
Width (ft):	
Diameter (ft):	150.00
Other Dimension	
Description:	
Value:	
Units:	
Fill Method:	Submerged
Description (if other):	
Maximum Design Fill Rate:	5,600.00
Units:	gal/min
Does the storage vessel have a roof or an open top?	Roof
Roof Type:	Vertical fixed roof tank
Roof Height (From Roof Bottom to Roof Top) (ft):	
Roof Construction:	
Primary Seal Type:	
Secondary Seal Type:	
Total Number of Seals:	
Roof Support:	
Does the storage vessel have a Vapor Return Loop?	

18054 BUCKEYE RARITAN BAY TERMINAL BOP160001 E23 (Storage Vessel)
Print Date: 1/31/2018

Does the storage vessel have a Conservation Vent?	
Have you attached a diagram showing the location and/or the configuration of this equipment?	Yes
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	
Comments:	

18054 BUCKEYE RARITAN BAY TERMINAL BOP160001 E24 (Storage Vessel)
Print Date: 1/31/2018

What type of contents is this storage vessel equipped to contain by design?	Liquids Only
Storage Vessel Type:	Tank
Design Capacity:	6,073,704
Units:	gallons
Ground Location:	Above Ground
Is the Shell of the Equipment Exposed to Sunlight?	Yes
Shell Color:	Other
Description (if other):	green
Shell Condition:	
Paint Condition:	
Shell Construction:	
Is the Shell Insulated?	
Type of Insulation:	
Insulation Thickess (in):	
Thermal Conductivity of Insulation [(BTU)(in)(hr)(ft2)(deg F)]:	
Shape of Storage Vessel:	Cylindrical
Shell Height (From Ground to Roof Bottom) (ft):	48.00
Length (ft):	
Width (ft):	
Diameter (ft):	150.00
Other Dimension	
Description:	
Value:	
Units:	
Fill Method:	Submerged
Description (if other):	
Maximum Design Fill Rate:	5,600.00
Units:	gal/min
Does the storage vessel have a roof or an open top?	Roof
Roof Type:	Vertical fixed roof tank
Roof Height (From Roof Bottom to Roof Top) (ft):	
Roof Construction:	
Primary Seal Type:	
Secondary Seal Type:	
Total Number of Seals:	
Roof Support:	
Does the storage vessel have a Vapor Return Loop?	

18054 BUCKEYE RARITAN BAY TERMINAL BOP160001 E24 (Storage Vessel)
Print Date: 1/31/2018

Does the storage vessel have a Conservation Vent?	
Have you attached a diagram showing the location and/or the configuration of this equipment?	Yes
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	
Comments:	

18054 BUCKEYE RARITAN BAY TERMINAL BOP160001 E25 (Storage Vessel)
Print Date: 1/31/2018

What type of contents is this storage vessel equipped to contain by design?	Liquids Only
Storage Vessel Type:	Tank
Design Capacity:	6,071,856
Units:	gallons
Ground Location:	Above Ground
Is the Shell of the Equipment Exposed to Sunlight?	Yes
Shell Color:	Other
Description (if other):	green
Shell Condition:	
Paint Condition:	
Shell Construction:	
Is the Shell Insulated?	
Type of Insulation:	
Insulation Thickess (in):	
Thermal Conductivity of Insulation [(BTU)(in)(hr)(ft2)(deg F)]:	
Shape of Storage Vessel:	Cylindrical
Shell Height (From Ground to Roof Bottom) (ft):	48.00
Length (ft):	
Width (ft):	
Diameter (ft):	150.00
Other Dimension	
Description:	
Value:	
Units:	
Fill Method:	Submerged
Description (if other):	
Maximum Design Fill Rate:	5,600.00
Units:	gal/min
Does the storage vessel have a roof or an open top?	Roof
Roof Type:	Vertical fixed roof tank
Roof Height (From Roof Bottom to Roof Top) (ft):	
Roof Construction:	
Primary Seal Type:	
Secondary Seal Type:	
Total Number of Seals:	
Roof Support:	
Does the storage vessel have a Vapor Return Loop?	

18054 BUCKEYE RARITAN BAY TERMINAL BOP160001 E25 (Storage Vessel)
Print Date: 1/31/2018

Does the storage vessel have a Conservation Vent?	
Have you attached a diagram showing the location and/or the configuration of this equipment?	Yes
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	
Comments:	

18054 BUCKEYE RARITAN BAY TERMINAL BOP160001 E26 (Storage Vessel)
Print Date: 1/31/2018

What type of contents is this storage vessel equipped to contain by design?	Liquids Only
Storage Vessel Type:	Tank
Design Capacity:	5,588,982
Units:	gallons
Ground Location:	Above Ground
Is the Shell of the Equipment Exposed to Sunlight?	Yes
Shell Color:	Other
Description (if other):	green
Shell Condition:	
Paint Condition:	
Shell Construction:	
Is the Shell Insulated?	
Type of Insulation:	
Insulation Thickess (in):	
Thermal Conductivity of Insulation [(BTU)(in)(hr)(ft2)(deg F)]:	
Shape of Storage Vessel:	Cylindrical
Shell Height (From Ground to Roof Bottom) (ft):	48.00
Length (ft):	
Width (ft):	
Diameter (ft):	150.00
Other Dimension	
Description:	
Value:	
Units:	
Fill Method:	Submerged
Description (if other):	
Maximum Design Fill Rate:	5,600.00
Units:	gal/min
Does the storage vessel have a roof or an open top?	Roof
Roof Type:	Vertical fixed roof tank
Roof Height (From Roof Bottom to Roof Top) (ft):	
Roof Construction:	
Primary Seal Type:	
Secondary Seal Type:	
Total Number of Seals:	
Roof Support:	
Does the storage vessel have a Vapor Return Loop?	

18054 BUCKEYE RARITAN BAY TERMINAL BOP160001 E26 (Storage Vessel)
Print Date: 1/31/2018

Does the storage vessel have a Conservation Vent?	
Have you attached a diagram showing the location and/or the configuration of this equipment?	Yes
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	
Comments:	

18054 BUCKEYE RARITAN BAY TERMINAL BOP160001 E27 (Storage Vessel)
Print Date: 1/31/2018

What type of contents is this storage vessel equipped to contain by design?	Liquids Only
Storage Vessel Type:	Tank
Design Capacity:	3,414,894
Units:	gallons
Ground Location:	Above Ground
Is the Shell of the Equipment Exposed to Sunlight?	Yes
Shell Color:	Other
Description (if other):	green
Shell Condition:	
Paint Condition:	
Shell Construction:	
Is the Shell Insulated?	
Type of Insulation:	
Insulation Thickess (in):	
Thermal Conductivity of Insulation [(BTU)(in)(hr)(ft2)(deg F)]:	
Shape of Storage Vessel:	Cylindrical
Shell Height (From Ground to Roof Bottom) (ft):	105.00
Length (ft):	
Width (ft):	
Diameter (ft):	55.00
Other Dimension	
Description:	
Value:	
Units:	
Fill Method:	Submerged
Description (if other):	
Maximum Design Fill Rate:	5,600.00
Units:	gal/min
Does the storage vessel have a roof or an open top?	Roof
Roof Type:	Domed vertical fixed roof tank
Roof Height (From Roof Bottom to Roof Top) (ft):	
Roof Construction:	
Primary Seal Type:	
Secondary Seal Type:	
Total Number of Seals:	
Roof Support:	
Does the storage vessel have a Vapor Return Loop?	

18054 BUCKEYE RARITAN BAY TERMINAL BOP160001 E27 (Storage Vessel)
Print Date: 1/31/2018

Does the storage vessel have a Conservation Vent?	
Have you attached a diagram showing the location and/or the configuration of this equipment?	Yes
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	
Comments:	

18054 BUCKEYE RARITAN BAY TERMINAL BOP160001 E29 (Manufacturing and Materials Handling Equipment)
Print Date: 1/31/2018

Make:	
Manufacturer:	
Model:	
Type of Manufacturing and Materials Handling Equipment:	
Capacity:	3.36E+05
Units:	gallons
Description (if other):	
Have you attached a diagram showing the location and/or the configuration of this equipment?	Yes
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	
Comments:	throughput is based on hourly rate.

18054 BUCKEYE RARITAN BAY TERMINAL BOP160001 E30 (Boiler)
Print Date: 1/31/2018

Make:	
Manufacturer:	
Model:	
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	24.50
Boiler Type:	Fire Tube
Utility Type:	
Output Type:	
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	

Is the boiler using? (check all that apply):

Low NOx Burner:	☐ Type:	
Staged Air Combustion:	☐	
Flue Gas Recirculation (FGR):	☐ Amount (%):	

Have you attached a diagram showing the location and/or the configuration of this equipment?	Yes
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	
Comments:	the boiler is also Package type

18054 BUCKEYE RARITAN BAY TERMINAL BOP160001 E31 (Boiler)
Print Date: 1/31/2018

Make:	
Manufacturer:	
Model:	
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	23.00
Boiler Type:	Fire Tube
Utility Type:	
Output Type:	
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	

Is the boiler using? (check all that apply):

Low NOx Burner:	☐ Type:	
Staged Air Combustion:	☐	
Flue Gas Recirculation (FGR):	☐ Amount (%):	

Have you attached a diagram showing the location and/or the configuration of this equipment? Yes

Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?

Comments:

18054 BUCKEYE RARITAN BAY TERMINAL BOP160001 E32 (Boiler)
Print Date: 1/31/2018

Make:	
Manufacturer:	
Model:	
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	20.90
Boiler Type:	Fire Tube
Utility Type:	
Output Type:	
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	

Is the boiler using? (check all that apply):

Low NOx Burner:	☐ Type:	
Staged Air Combustion:	☐	
Flue Gas Recirculation (FGR):	☐ Amount (%):	

Have you attached a diagram showing the location and/or the configuration of this equipment? Yes

Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?

Comments:

18054 BUCKEYE RARITAN BAY TERMINAL BOP160001 E33 (Storage Vessel)
Print Date: 1/31/2018

What type of contents is this storage vessel equipped to contain by design?	Liquids Only
Storage Vessel Type:	Tank
Design Capacity:	1,974
Units:	gallons
Ground Location:	Above Ground
Is the Shell of the Equipment Exposed to Sunlight?	Yes
Shell Color:	Other
Description (if other):	
Shell Condition:	
Paint Condition:	
Shell Construction:	
Is the Shell Insulated?	
Type of Insulation:	
Insulation Thickess (in):	
Thermal Conductivity of Insulation [(BTU)(in)(hr)(ft2)(deg F)]:	
Shape of Storage Vessel:	Cylindrical
Shell Height (From Ground to Roof Bottom) (ft):	12.30
Length (ft):	
Width (ft):	
Diameter (ft):	5.40
Other Dimension	
Description:	
Value:	
Units:	
Fill Method:	Top Pipe
Description (if other):	
Maximum Design Fill Rate:	250.00
Units:	gal/min
Does the storage vessel have a roof or an open top?	Roof
Roof Type:	Horizontal fixed roof tank
Roof Height (From Roof Bottom to Roof Top) (ft):	
Roof Construction:	
Primary Seal Type:	
Secondary Seal Type:	
Total Number of Seals:	
Roof Support:	
Does the storage vessel have a Vapor Return Loop?	
Does the storage vessel	

18054 BUCKEYE RARITAN BAY TERMINAL BOP160001 E33 (Storage Vessel)
Print Date: 1/31/2018

Does the storage vessel have a Conservation Vent?

Have you attached a diagram showing the location and/or the configuration of this equipment?

Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?

Comments:

18054 BUCKEYE RARITAN BAY TERMINAL BOP160001 E34 (Storage Vessel)
Print Date: 1/31/2018

What type of contents is this storage vessel equipped to contain by design?	Liquids Only
Storage Vessel Type:	Tank
Design Capacity:	14,490
Units:	gallons
Ground Location:	Above Ground
Is the Shell of the Equipment Exposed to Sunlight?	Yes
Shell Color:	Specular Aluminum
Description (if other):	
Shell Condition:	Light Rust
Paint Condition:	Good
Shell Construction:	Welded
Is the Shell Insulated?	No
Type of Insulation:	
Insulation Thickess (in):	
Thermal Conductivity of Insulation [(BTU)(in)(hr)(ft2)(deg F)]:	
Shape of Storage Vessel:	Cylindrical
Shell Height (From Ground to Roof Bottom) (ft):	23.67
Length (ft):	
Width (ft):	
Diameter (ft):	10.00
Other Dimension	
Description:	
Value:	
Units:	
Fill Method:	Top Pipe
Description (if other):	
Maximum Design Fill Rate:	250.00
Units:	gal/min
Does the storage vessel have a roof or an open top?	Roof
Roof Type:	Horizontal fixed roof tank
Roof Height (From Roof Bottom to Roof Top) (ft):	
Roof Construction:	
Primary Seal Type:	
Secondary Seal Type:	
Total Number of Seals:	
Roof Support:	
Does the storage vessel have a Vapor Return Loop?	

18054 BUCKEYE RARITAN BAY TERMINAL BOP160001 E34 (Storage Vessel)
Print Date: 1/31/2018

Does the storage vessel have a Conservation Vent?	No
Have you attached a diagram showing the location and/or the configuration of this equipment?	No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	

Comments:

18054 BUCKEYE RARITAN BAY TERMINAL BOP160001 E35 (Storage Vessel)
Print Date: 1/31/2018

What type of contents is this storage vessel equipped to contain by design?	Liquids Only
Storage Vessel Type:	Tank
Design Capacity:	15,000
Units:	gallons
Ground Location:	Above Ground
Is the Shell of the Equipment Exposed to Sunlight?	Yes
Shell Color:	White
Description (if other):	
Shell Condition:	Light Rust
Paint Condition:	Good
Shell Construction:	Welded
Is the Shell Insulated?	No
Type of Insulation:	
Insulation Thickess (in):	
Thermal Conductivity of Insulation [(BTU)(in)(hr)(ft2)(deg F)]:	
Shape of Storage Vessel:	Cylindrical
Shell Height (From Ground to Roof Bottom) (ft):	10.00
Length (ft):	25.50
Width (ft):	10.00
Diameter (ft):	10.00
Other Dimension	
Description:	
Value:	
Units:	
Fill Method:	
Description (if other):	
Maximum Design Fill Rate:	250.00
Units:	gal/min
Does the storage vessel have a roof or an open top?	Roof
Roof Type:	Horizontal fixed roof tank
Roof Height (From Roof Bottom to Roof Top) (ft):	10.00
Roof Construction:	
Primary Seal Type:	
Secondary Seal Type:	
Total Number of Seals:	
Roof Support:	
Does the storage vessel have a Vapor Return Loop?	No
Does the storage vessel	

18054 BUCKEYE RARITAN BAY TERMINAL BOP160001 E35 (Storage Vessel)
Print Date: 1/31/2018

Does the storage vessel have a Conservation Vent?	Yes
Have you attached a diagram showing the location and/or the configuration of this equipment?	No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No

Comments:

18054 BUCKEYE RARITAN BAY TERMINAL BOP160001 E36 (Manufacturing and Materials Handling Equipment)
Print Date: 1/31/2018

Make:	
Manufacturer:	
Model:	
Type of Manufacturing and Materials Handling Equipment:	
Capacity:	1.44E+05
Units:	gallons
Description (if other):	
Have you attached a diagram showing the location and/or the configuration of this equipment?	Yes
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	
Comments:	throughput is based on hourly rate.

18054 BUCKEYE RARITAN BAY TERMINAL BOP160001 E1001 (Stationary Reciprocating Engine)
Print Date: 1/31/2018

Make:	
Manufacturer:	GMC
Model:	
Maximum Rated Gross Heat Input (MMBtu/hr):	2.8
Class:	
Description:	
Duty:	Standby Power
Description:	
Minimum Load Range (%):	
Maximum Load Range (%):	
Stroke:	
Power Output (BHP):	353
Electric Output(KW):	
Compression Ratio:	
Ignition Type:	
Description:	
Engine Speed (RPM):	
Engine Exhaust Temperature (°F):	
Air to Fuel Ratio at Peak Load:	
Ratio Basis:	
Lambda Factor (scfm/scfm):	
Brake Specific Fuel Consumption at Peak Load (Btu/BHP-hr):	
Output Type:	
Heat to Power Ratio:	
Is the Engine Using a Turbocharger?	○ Yes ● No
Is the Engine Using an Aftercooler?	○ Yes ● No

Is the Engine Using (check all that apply):

A Prestratified Charge (PSC)	☐	A NOx Converter	☐
Air to Fuel Adjustment (AF)	☐	Ignition Timing Retard	☐
Low Emission Combustion	☐	Non-Selective Catalytic Retard (NSCR)	☐
Other	☐		

Description:

Have you attached a diagram showing the location and/or the configuration of this equipment?	○ Yes ● No	Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	○ Yes ● No

Comments:

Include Emission Rates on the Potential to Emit Screen for each contaminant in ppmvd @ 7%O2 in addition to lbs/hr and tons/yr.

BUCKEYE RARITAN BAY TERMINAL (18054) Date: 6/12/2018

BOP160001

New Jersey Department of Environmental Protection
Control Device Inventory

CD NJID	Facility's Designation	Description	CD Type	Install Date	Grand-Fathered	Last Mod. (Since 1968)	CD Set ID
CD1	MVRU	Marine Vapor Recovery Unit	Adsorber		No		
CD2	PVCU	Portable VCU	Oxidizer (Thermal)		No		

18054 BUCKEYE RARITAN BAY TERMINAL BOP160001 CD1 (Adsorber)
Print Date: 1/31/2018

Make:	
Manufacturer:	
Model:	
Adsorber Type:	
Description:	
Maximum Gas Flow Rate to Adsorber (acfm):	820
Maximum Temperature of Vapor Stream to Adsorber (°F):	
Minimum Temperature of Vapor Stream to Adsorber (°F):	
Minimum Moisture Content of Vapor Stream to Adsorber (%):	
Type of Adsorbant:	
Bed Height:	
Bed Length:	
Bed Width:	
Units:	
Other Bed Dimension:	
Value:	
Units:	
Minimum Pressure Drop Across Adsorbant (in. H20):	
Maximum Pressure Drop Across Adsorber (in. H20):	
Total Weight of Adsorbant (lbs):	50266
Total Weight of Adsorbant When Saturated (lbs):	
Maximum Adsorbant Capacity (lbs Adsorbate/lbs Adsorbant):	
Minimum Adsorbant Capacity (lbs Adsorbate/lbs Adsorbant):	
Set-up Type:	

Method of Determining Breakthrough (check all that apply):

Continuous Emissions Monitor (CEM):	☑
Replacement By Weight:	☐
Periodic Testing:	☐
Sampling Frequency:	
Sampling Device:	
Other:	☐
Description:	
Minimum Concentration at Breakthrough (ppmvd):	
Handling Method of Saturated Adsorbant:	
Method of Regeneration:	

18054 BUCKEYE RARITAN BAY TERMINAL BOP160001 CD1 (Adsorber)
Print Date: 1/31/2018

Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-Permitted Sources):	2
Alternative Method to Demonstrate Control Apparatus is Operating Properly:	
Have you attached data from recent performance testing?	◯ Yes ● No
Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus?	◯ Yes ● No
Have you attached a diagram showing the location and/or configuration of this control apparatus?	◯ Yes ● No
Comments:	Emission Rate = 10 mg/L

18054 BUCKEYE RARITAN BAY TERMINAL BOP160001 CD2 (Oxidizer (Thermal))
Print Date: 1/31/2018

Make:	
Manufacturer:	John Zink
Model:	
Minimum Chamber Temperature (°F):	500
Minimum Residence Time (sec):	1
Fuel Type:	Natural gas
Description:	
Maximum Rated Gross Heat Input (MMBtu/hr):	42.2
Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-Permitted Sources):	2
Alternative Method to Demonstrate Control Apparatus is Operating Properly:	
Have you attached data from recent performance testing?	○ Yes ● No
Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus?	○ Yes ● No
Have you attached a diagram showing the location and/or configuration of this control apparatus?	○ Yes ● No
Comments:	This is an enclosed flare. Emission rate = 10 mg/L

BUCKEYE RARITAN BAY TERMINAL (18054)
BOP160001

Date: 6/12/2018

New Jersey Department of Environmental Protection
Emission Points Inventory

PT NJID	Facility's Designation	Description	Config.	Equiv. Diam. (in.)	Height (ft.)	Dist. to Prop. Line (ft)	Exhaust Temp. (deg. F)			Exhaust Vol. (acfm)			Discharge Direction	PT Set ID
							Avg.	Min.	Max.	Avg.	Min.	Max.		
PT1	Tank #211				48	725							Up	
PT2	Tank #212				48	850							Up	
PT3	Tank #213				48	650							Up	
PT4	Tank #214				48	625							Up	
PT5	Tank #215				45	410							Up	
PT6	Tank #216				45	410							Up	
PT7	Tank #221				48	110							Up	
PT8	Tank #222				48	310							Up	
PT9	Tank #223				48	125							Up	
PT10	Tank #224				48	350							Up	
PT11	Tank #225				45	125							Horizontal	
PT12	Tank #226				45	350							Horizontal	
PT13	Tank #231				48	150							Horizontal	
PT14	Tank #232				48	175							Horizontal	
PT15	Tank #233				48	140							Horizontal	
PT16	Tank #234				48	125							Horizontal	
PT17	Tank #235				48	150							Horizontal	
PT18	Tank #241				48	420							Horizontal	
PT19	Tank #242				48	250							Horizontal	

BUCKEYE RARITAN BAY TERMINAL (18054)
BOP160001

Date: 6/12/2018

New Jersey Department of Environmental Protection
Emission Points Inventory

PT NJID	Facility's Designation	Description	Config.	Equiv. Diam. (in.)	Height (ft.)	Dist. to Prop. Line (ft)	Exhaust Temp. (deg. F)			Exhaust Vol. (acfm)			Discharge Direction	PT Set ID
							Avg.	Min.	Max.	Avg.	Min.	Max.		
PT20	Tank #243				48	475							Horizontal	
PT21	Tank #244				48	320							Horizontal	
PT22	Tank #245				48	560							Horizontal	
PT23	Tank #246				48	400							Horizontal	
PT24	Tank #247				48	380							Horizontal	
PT25	Tank #248				48	350							Horizontal	
PT26	Tank #249				48	300							Horizontal	
PT27	Tank #251				55	250							Horizontal	
PT29	Marine Ld	Marine Loading Rack - Loading Petroleum Hydrocarbons	Round	8	20	500	50.0	-8.0	105.0	227.0	0.0	1,310.0	Horizontal	
PT30	Boiler #1	24.5 MM Btu/hr #6 Fuel Oil boiler #1	Round	24	38	400	390.0	270.0	503.0	8,000.0	2,354.0	12,420.0	Horizontal	
PT31	Boiler #2	23 MM Btu/hr #6 Fuel Oil boiler #2	Round	24	30	400	350.0	270.0	503.0	7,900.0	1,768.0	9,329.0	Horizontal	
PT32	Boiler #3	20.9 MM Btu/hr #6 Fuel Oil boiler #3	Round	24	30	400	350.0	270.0	503.0	6,600.0	1,472.0	7,770.0	Horizontal	
PT33	TANK 0291				12	850								
PT34	TANK 0297				10	850								
PT35	Tank 0298	Denatured Ethanol Storage Tank			11	550							Up	
PT36	PVCU	Portable Vapor Combustion Unit Stack	Round	86	13	500							Up	

BUCKEYE RARITAN BAY TERMINAL (18054)
BOP160001

Date: 6/12/2018

New Jersey Department of Environmental Protection
Emission Points Inventory

PT NJID	Facility's Designation	Description	Config.	Equiv. Diam. (in.)	Height (ft.)	Dist. to Prop. Line (ft)	Exhaust Temp. (deg. F)			Exhaust Vol. (acfm)			Discharge Direction	PT Set ID
							Avg.	Min.	Max.	Avg.	Min.	Max.		
PT37	Loading Rack	Source Fugitive from Distillate Loading	Surface			500							Up	
PT1001	Fire Pump	353 hp Diesel Emergency Fire Pump	Round	4	10									

BUCKEYE RARITAN BAY TERMINAL (18054)
BOP160001

Date: 6/12/2018

New Jersey Department of Environmental Protection
Emission Unit/Batch Process Inventory

U 1 IFRT Internal Floating Roof Tanks #211 - 214 and #221 - 224 for Petroleum Hydrocarbon liquids and or Ethanol w/ VP <= 13.0 PSIA @ actual temperature.

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS1	Tank # 211	INTERNAL FLOATING ROOF TANK	Normal - Steady State	E1		PT1								
OS2	Tank # 212	INTERNAL FLOATING ROOF TANK	Normal - Steady State	E2		PT2								
OS3	Tank # 213	INTERNAL FLOATING ROOF TANK	Normal - Steady State	E3		PT3								
OS4	Tank # 214	INTERNAL FLOATING ROOF TANK	Normal - Steady State	E4		PT4								
OS5	Tank # 221	INTERNAL FLOATING ROOF TANK	Normal - Steady State	E7		PT7								
OS6	Tank # 222	INTERNAL FLOATING ROOF TANK	Normal - Steady State	E8		PT8								
OS7	Tank # 223	INTERNAL FLOATING ROOF TANK	Normal - Steady State	E9		PT9								
OS8	Tank # 224	INTERNAL FLOATING ROOF TANK	Normal - Steady State	E10		PT10								

U 2 FRT - 8 TKS Eight Fixed Roof Tanks #225, 226, 231, 232, 233, 234, 235, and 249 w/ VP < 0.02 psia.

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS1	Tank #225	Fixed Roof Tank #225, with capacity of 10,139,510 gallons	Normal - Steady State	E11		PT11								

BUCKEYE RARITAN BAY TERMINAL (18054)
BOP160001

Date: 6/12/2018

New Jersey Department of Environmental Protection
Emission Unit/Batch Process Inventory

U 2 FRT - 8 TKS Eight Fixed Roof Tanks #225, 226, 231, 232, 233, 234, 235, and 249 w/ VP < 0.02 psia.

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS2	Tank #226	Fixed Roof Tank #226, with capacity of 10,038,460 gallons	Normal - Steady State	E12		PT12								
OS3	Tank #231	Fixed Roof Tank #231, with capacity of 3,885,550 gallons	Normal - Steady State	E13		PT13								
OS4	Tank #232	Fixed Roof Tank #232, with capacity of 3,900,920 gallons	Normal - Steady State	E14		PT14								
OS5	Tank #233	Fixed Roof Tank #233, with capacity of 6,867,880 gallons	Normal - Steady State	E15		PT15								
OS6	Tank #234	Fixed Roof Tank #234, with capacity of 6,883,210 gallons	Normal - Steady State	E16		PT16								
OS7	Tank #235	Fixed Roof Tank #235, with capacity of 6,925,170 gallons	Normal - Steady State	E17		PT17								
OS8	Tank #249	Fixed Roof Tank #249, with capacity of 5,588,980 gallons	Normal - Steady State	E26		PT26								

BUCKEYE RARITAN BAY TERMINAL (18054)
BOP160001

Date: 6/12/2018

New Jersey Department of Environmental Protection
Emission Unit/Batch Process Inventory

U 3 FRT - 12 TKS 12 Fixed Roof Tanks #215, 216, 241- 248, 251, and 297 w/VP < 0.02 psia.

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS1	Tank # 215	Grandfathered Fixed Roof Tank #215 with capacity of 10,102,390 gallons	Normal - Steady State	E5		PT5								
OS2	Tank # 216	Grandfathered Fixed Roof Tank #216 with capacity of 10,054,300 gallons	Normal - Steady State	E6		PT6								
OS3	Tank # 241	Grandfathered Fixed Roof Tank #241 with capacity of 6,033,430 gallons	Normal - Steady State	E18		PT18								
OS4	Tank # 242	Grandfathered Fixed Roof Tank #242 with capacity of 6,010,120 gallons	Normal - Steady State	E19		PT19								
OS5	Tank # 243	Grandfathered Fixed Roof Tank #243 with capacity of 6,067,110 gallons	Normal - Steady State	E20		PT20								
OS6	Tank # 244	Grandfathered Fixed Roof Tank #244 with capacity of 6,055,770 gallons	Normal - Steady State	E21		PT21								
OS7	Tank # 245	Grandfathered Fixed Roof Tank #245 with capacity of ,6,004,070 gallons	Normal - Steady State	E22		PT22								
OS8	Tank # 246	Grandfathered Fixed Roof Tank #246 with capacity of 5,975,840 gallons	Normal - Steady State	E23		PT23								
OS9	Tank # 247	Grandfathered Fixed Roof Tank #247 with capacity of 6,073,700 gallons	Normal - Steady State	E24		PT24								
OS10	Tank # 248	Grandfathered Fixed Roof Tank #248 with capacity of 6,071,860 gallons	Normal - Steady State	E25		PT25								
OS11	Tank # 251	Grandfathered Fixed Roof Tank #251 with capacity of 3,414,890 gallons	Normal - Steady State	E27		PT27								

BUCKEYE RARITAN BAY TERMINAL (18054)
BOP160001

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New Jersey Department of Environmental Protection
Emission Unit/Batch Process Inventory

U 3 FRT - 12 TKS 12 Fixed Roof Tanks #215, 216, 241- 248, 251, and 297 w/VP < 0.02 psia.

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS13	Tank # 297	# 6 Fuel Oil Grandfathered Fixed Roof Tank #297 with capacity of 14,490 gallons	Normal - Steady State	E34		PT34								

U 4 MTL Marine and Truck Loading Operations

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS1	MLO	Marine Loading of Gasoline and Other Applicable VOCs that are not HAPs, with VP <= 13.0 psia at actual temperature at or near the liquid surface.	Normal - Steady State	E29	CD1 (P)	PT29	3-06-999-99		8,760.0					
OS2	MLO	Marine Loading Operations - Non-Applicable VOCs	Normal - Steady State	E29		PT37			8,760.0					
OS3	TLO	Truck Loading of Gasoline and Other Applicable VOCs that are not HAPs, with VP <= 13.0 psia using MVRU as Control Device.	Normal - Steady State	E36	CD1 (P)	PT29	3-06-999-99		8,760.0					

BUCKEYE RARITAN BAY TERMINAL (18054)
BOP160001

Date: 6/12/2018

New Jersey Department of Environmental Protection
Emission Unit/Batch Process Inventory

U 4 MTL Marine and Truck Loading Operations

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS4	TLO	Truck Loading Operations - Non-Applicable VOCs	Normal - Steady State	E36		PT37			8,760.0					
OS5	TLO	Truck Loading of Gasoline and Other Applicable VOCs that are not HAPs, with VP <= 13.0 psia using PVCU as Control Device.	Normal - Steady State	E36	CD2 (P)	PT36	3-06-999-99		8,760.0					

U 5 Boilers #1-3 #6 Fuel Oil Boiler #1, 2, and 3 >20 MM Btu per hour

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS1	Boiler #1	24.5 MM Btu/hr Boiler 25	Normal - Steady State	E30		PT30								
OS2	Boiler #2	23 MM Btu/hr Boiler 27	Normal - Steady State	E31		PT31								
OS3	Boiler #3	20.9 MM Btu/hr Boiler 26	Normal - Steady State	E32		PT32								

BUCKEYE RARITAN BAY TERMINAL (18054)
BOP160001

Date: 6/12/2018

New Jersey Department of Environmental Protection
Emission Unit/Batch Process Inventory

U 6 aditive tank 2030 Gallons Fuel Additive Tank #291 with vapor pressure <= 0.12 psia at standard conditions.

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS1	Aditive Tank	Diesel Fuel Additive Tank #291	Normal - Steady State	E33		PT33								

U 7 Tank 0298 Denatured Ethanol Storage Tank

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS1	Tank 0298	Denatured Ethanol Storage Tank	Normal - Steady State	E35		PT35								

BUCKEYE RARITAN BAY TERMINAL (18054)
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New Jersey Department of Environmental Protection
Emission Unit/Batch Process Inventory

U 8 Fire Pump Emergency Diesel Fire Pump 353 hp

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS1	Fire Pump	Emergency Diesel Fire Pump 353 hp	Normal - Steady State	E1001		PT1001		0.0	100.0					